 <b>AIR LIQUIDE</b>  AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PDT-10000</i>	
		Project:		Project-No.:	
Designation:				Page: <i>45</i> of: <i>1019</i>	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 60 mbar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>PDT 10000</i>
		till:	<i>DPSS-7.4</i>
	Accompanying circuit diagram:		<i>29792705.1 / 45</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute, etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	

<b>Inspector</b>	
Name: <i>VALKO</i>	Date: <i>17.3.2006</i>
Company: <i>REGULA KOŠICE a.s.</i>	Signature: <i>[Signature]</i> (Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 11 007	
		Project:		Project-No.:	
Designation:		Page: 46 of: 104		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: -30 + 60 °C				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	Loop check carried out from: TE 11 007				
	till: DRS 3.1.6				
	Accompanying circuit diagram: D9792 305-1 / 46				
Accompanying junction box diagram:					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 30 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	15 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	60 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
<b>Inspector</b>					
Name: <i>Sven Israf</i>			Date: 28.2.06		
Company: <i>Regula kotice g.s.</i>			Signature: <i>[Signature]</i>		
			(Stamp)		

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: PT 11 007	
		Project:		Project-No.:	
Designation:		Page: 47 of: C14		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: 0 - 1.5 bar				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: PT 11 007				
	till: DPS 3.1.3				
	Accompanying circuit diagram: D97 92 205-1 / 47				
Accompanying junction box diagram:					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
	Inspector				
	Name: L. Kováčik			Date: 1.3.06	
	Company: Regula Kosičice a.s.			Signature:	
				(Stamp)	



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: **GC-1010**

Project-No.:

Page: **48** of: **C14**

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<b>0 - 100%</b>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of -open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with -VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>GC 1010</b>
		till: <b>DBT 1.10</b>
	Accompanying circuit diagramm:	<b>D979L705-1</b>
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	<b>4</b>	<b>0</b>
2. <input type="checkbox"/>	25	8	0,4	<b>8</b>	<b>25</b>
3. <input type="checkbox"/>	50	12	0,6	<b>12</b>	<b>50</b>
4. <input type="checkbox"/>	75	16	0,8	<b>16</b>	<b>75</b>
5. <input type="checkbox"/>	100	20	1,0	<b>20</b>	<b>100</b>
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
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Inspector	Date:
Name: <b>ŠVEC JOZEF</b>	<b>2.3.06</b>
Company: <b>REGULA KOŠICE a.s.</b>	Signature:
	(Stamp)

 <b>AIR LIQUIDE</b>  <b>AGS</b>		<b>Kontrolný formulár ovládacích členov</b> <b>Skúška kalibrácie</b> <b>a preverenie regulačných ventilov</b>		Číslo štítku: <i>ET-11010</i>		
		Projekt:		Číslo projektu:		
Označenie:		Strana: <i>48</i> z: <i>C14</i>		Kombinované s číslom štítku:		
Ovládací člen	Druh ovládacieho člena:		Príslušenstvo:		Príslušenstvo:	
	Výrobca:					
	Číslo modelu:					
	Úplný rozsah: <i>0 - 100%</i>					
Inštalácia	<input type="checkbox"/> Kontrola na mieste podľa P&I schémy		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	<input type="checkbox"/> Kontrola tech. správnej montáže		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	<input type="checkbox"/> Kontrola proces. prepojenia / potrubie - otvorená armatúra		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	tesnosť		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	- montážny materiál podľa špecifikácie		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	<input type="checkbox"/> Kontrola kabeláže podľa -VDE		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	-BGV-A2 (kedysi VGB4)		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
Kabeláž	<input type="checkbox"/> Kontrola zhody podľa osvedčenia bezpečnosti proti výbuchu		<input type="checkbox"/> OK	<input type="checkbox"/> nevyhovujúce		
	Slučková kontrola vykonaná od: <i>ET-11010</i>					
	do: <i>28.3.13</i>					
	Sprievodná obvodová schéma: <i>D9792705-1/48</i>					
		Schéma rozvážacej skrinky:				
Ovládač	Kontrolné body	% Zdvih Rated value	[mA] menovitý	[bar]	Vlastné zariadenie:	% Zdvih Skutočný
	1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
	2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
	3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
	4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
	5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		
Pohyb	0 - 100% Zdvih		Otvoriť		Zatvoriť	Rýchle uzatvorenie ventilu do bezpeč. pozície:
Pripomienky						
<b>Dozor</b>						
Meno: <i>ŠVEC JOSEF</i>			Dátum: <i>2.3.2006</i>			
Spoločnosť: <i>REGULA KOSICE a.s.</i>			Podpis: <i>[Signature]</i> <div style="text-align: right;">(Pečiatka)</div>			



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *BSL H010*

Project-No.:

Page: *48* of: *014*

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>BSL H010</i>
		till: <i>DPS 3-1-11</i>
	Accompanying circuit diagram:	<i>D9X92 F05-1</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute, etc	Binary input DCS
	1. <input type="checkbox"/> HH		>	<i>1</i>	<i>OK</i>
			<	<i>0</i>	<i>OK</i>
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
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**Inspector**Name: *SVEC JOZEF*Date: *14.3.2006*Company: *REGULA KOŠICE a.s.*

Signature:

(Stamp)

SPEZ70EN.VLS 15.01.1999

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11011</i>	
		Project:		Project-No.:	
Designation:		Page: <i>49</i> of: <i>074</i>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 160°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	Loop check carried out from: <i>TE 11011</i>				
	till: <i>DPS 3.1.6</i>				
	Accompanying circuit diagram: <i>D9792705-1 / 49</i>				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25	<i>50°C</i>	8	
	3. <input type="checkbox"/>	50	<i>80°C</i>	12	
	4. <input type="checkbox"/>	75	<i>110°C</i>	16	
	5. <input type="checkbox"/>	100	<i>160°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		
	Remarks				
	Inspector				
Name: <i>Sven Loref</i>			Date: <i>18.2.06</i>		
Company: <i>Regula Lovice a.s.</i>			Signature: <i>[Signature]</i>		



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11012</i>	
		Project:		Project-No.:	
Designation:		Page: <i>50</i> of: <i>014</i>		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 160°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: <i>TE 11012</i>
		till: <i>DPS 3.1.6</i>
	Accompanying circuit diagram:	<i>D9292 705-1 / 50</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25	<i>40°C</i>	8	
	3. <input type="checkbox"/>	50	<i>80°C</i>	12	
	4. <input type="checkbox"/>	75	<i>120°C</i>	16	
	5. <input type="checkbox"/>	100	<i>160°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
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Inspector	
Name: <i>Šteć Lovel</i>	Date: <i>28. 2. 06</i>
Company: <i>Doğula Kocice a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 11016</i>	
		Project:		Project-No.:	
Designation:		Page: <i>57</i> of: <i>014</i>		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 2,5 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 11016</i>
		till: <i>DPS 3.1.3</i>
	Accompanying circuit diagram:	<i>D 97 92 205-1 / 57</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
---------	--	--

Inspector	
Name: <i>Eve Inef</i>	Date: <i>1.3.06</i>
Company: <i>Deqata Koice a.s.</i>	Signature: 
(Stamp)	



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 11016*

Project-No.:

Page: *52* of: *1014*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 160°C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 11016*

till:

*DPS 3.1.6*

Accompanying circuit diagram:

*D9292705-1 / 52*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

*0°C*

4

2.

☐

25

*40°C*

8

3.

☐

50

*80°C*

12

4.

☐

75

*120°C*

16

5.

☐

100

*160°C*

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

*Štefan Loref*

Date:

*1.3.09*

Company:

*Dogula bošice a.s.*

Signature:

*Štefan Loref*

(Stamp)

SPE770EN VLS - 05.05.10.03



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11017

Project-No.:

Page: 53 of: 244

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 160°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: TE 11017
		till: DPS 3.1.6
	Accompanying circuit diagram:	D9292705-1 / 153
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value Unit:	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	40°C	8	
	3. <input type="checkbox"/>	50	80°C	12	
	4. <input type="checkbox"/>	75	120°C	16	
	5. <input type="checkbox"/>	100	160°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks:	
----------	--

Inspector

Name:

Svee Loref

Date:

1.3.06

Company:

Regula Kosice a.s.



Signature:

Svee Loref

(Stamp)

SPE770EN.xls 05.05.1003



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 11 021	
		Project:		Project-No.:	
Designation:		Page: 54 of: 014		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: 0 - 160 °C				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	Loop check carried out		from: TE 11 021		
			till: DPS 3. 4. 6		
	Accompanying circuit diagram:		D97 92 705-1 154		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	40 °C	8	
	3. <input type="checkbox"/>	50	80 °C	12	
	4. <input type="checkbox"/>	75	120 °C	16	
	5. <input type="checkbox"/>	100	160 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: Srećko Lović			Date: 28.2.06		
Company: Regula Lović a.s.			Signature: 		
			(Stamp)		



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11022

Project-No.:

Page: 55 of: 014

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 160°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: TE 11 022
		till: DPS 3.1.6
	Accompanying circuit diagram:	D77 92 205-1 / 55
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value Unit:	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	40°C	8	
	3. <input type="checkbox"/>	50	80°C	12	
	4. <input type="checkbox"/>	75	120°C	16	
	5. <input type="checkbox"/>	100	160°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

## Inspector

Name:

Sven Jørgen

Date:

28. 2. 06

Company:

Dagana Industri A.S.


Signature:

Sven

(Stamp)

SPE7705N.YLS 05.05.1999



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 11026</i>	
		Project:		Project-No.:	
Designation:		Page: <i>56</i> of: <i>C14</i>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 2,5 bar</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: <i>PT 11026</i>				
	till: <i>DPS 3.1.3</i>				
Accompanying circuit diagram: <i>D77 92 705-1 / 56</i>					
Accompanying junction box diagram:					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			
Remarks					
Inspector					
Name: <i>S. L. L. L.</i>			Date: <i>1.3.06</i>		
Company: <i>Legula kositse a.s.</i>			Signature: <i>[Signature]</i>		
			(Stamp)		

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11 026</i>	
		Project:		Project-No.:	
Designation:		Page: <i>57</i> of: <i>C14</i>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0-160°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	Loop check carried out		from: <i>TE 11 026</i>		
			till: <i>DPS 3.1.6</i>		
	Accompanying circuit diagram:		<i>D97 92 705-1 / 57</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: <i>Svee Jozef</i>			Date: <i>1.3.06</i>		
Company: <i>Regula kosice a.s.</i>			Signature:		
			(Stamp)		





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11 027

Project-No.:

Page: 58 of: 14

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 11 027

till:

DPS 3.1.7

Accompanying circuit diagram:

D97 92 705-1 158

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

40°C

8

3. ☐

50

80°C

12

4. ☐

75

120°C

16

5. ☐

100

160°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

Remarks

Inspector

Name:

Sven Islef

Date:

1.3.06

Company:

Regula Koice a.s.

Signature:

Sven

(Stamp)

SPE770EN VLS 05.05.000



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 4031

Project-No.:

Page: 59 of: C-14

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 4031

till:

DPS 3.1.7

Accompanying circuit diagram:

D9792507.1 / 59

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

40°C

8

3. ☐

50

80°C

12

4. ☐

75

120°C

16

5. ☐

100

160°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEC 102EF

Date:

2.3.2006

Company:

REGULA KOŠICE a.s.

Signature:

(Stamp)

SPEZ70EN.xls 25.05.1999





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE H032

Project-No.:

Page: 60 of: C-14

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE H032

till:

DPS 3.1.7

Accompanying circuit diagram:

D 97 92 705-1 / 60

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

40 °C

8

3. ☐

50

80 °C

12

4. ☐

75

120 °C

16

5. ☐

100

160 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

ŠVEC JOZEF

Date:

2.3.2006

Company:

REGULA KOŠICE

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT-H03G

Project-No.:

Page: 61 of: C14

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-8 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT-H03G

till:

DPS 3-7.3

Accompanying circuit diagram:

D9792 705.7 / 6-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

4

2.

☐

25

8

8

8

3.

☐

50

12

12

12

4.

☐

75

16

16

16

5.

☐

100

20

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

SVEC JOZEF

Date:

1.3.2006

Company:

REGULA KOŠICE, a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 41036

Project-No.:

Page: 62 of: 64

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - -160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 41036

till:

DPS 5.1.7

Accompanying circuit diagram:

D9792705.1 / 62

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

0°C

4

2.

☐

25

40°C

8

3.

☐

50

80°C

12

4.

☐

75

120°C

16

5.

☐

100

160°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on, mute, etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

SVEC JOZEF

Date:

4.5.06

Company:

REGULA KOČICE AG

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 44037

Project-No.:

Page: 63 of: C74

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of -open gateway☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with -VDE☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 44037

till:

DPS 3.1.7

Accompanying circuit diagram:

D9792705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

40°C

8

3. ☐

50

80°C

12

4. ☐

75

120°C

16

5. ☐

100

160°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEC JOZEF

Date:

1.3.2006

Company:

REGULA KOČICE a.s.

Signature:

(Stamp)

SPEZ70EN.XLS 26.05.1999



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **PT 11041**

Project-No.:

Page: **64** of: **C14**

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

**0-8 bar**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

**PT 11041**

till:

**DPS 3-1.5**

Accompanying circuit diagram:

**D9792705-1**

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐**0****4****4**

2.

☐**25****8****8**

3.

☐**50****12****12**

4.

☐**75****16****16**

5.

☐**100****20****20**

6.

☐**75****16**

7.

☐**50****12**

8.

☐**25****8**

9.

☐**0****4**

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐ HH

&gt;

&lt;

2.

☐ H

&gt;

&lt;

3.

☐ L

&gt;

&lt;

4.

☐ LL

&gt;

&lt;

Remarks

**Inspector**

Name:

**ŠVEC JOZEF**

Date:

**14.3.06**

Company:

**REGULA KOČICE a.s.**

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 44044

Project-No.:

Page: 65 of: C44

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 44044

till:

DPS 3.7.7

Accompanying circuit diagram:

D9792 705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

40 °C

8

3. ☐

50

80 °C

12

4. ☐

75

120 °C

16

5. ☐

100

160 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

## Inspector

Name:

ŠVEC JOZEF

Date:

1.5.06

Company:

REGULA KOŠICE AG

Signature:

(Stamp)



**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: **FK 11074**

Project-No.:

Page: **66** of: **C14**

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>FK 11074</b>
		till: <b>11074A1</b>
	Accompanying circuit diagramm:	<b>D9792705-1</b>
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit	
1. <input type="checkbox"/>	0	4	0,2	<b>0 %</b>	
2. <input type="checkbox"/>	25	8	0,4	<b>25 %</b>	
3. <input type="checkbox"/>	50	12	0,6	<b>50 %</b>	
4. <input type="checkbox"/>	75	16	0,8	<b>75 %</b>	
5. <input type="checkbox"/>	100	20	1,0	<b>100 %</b>	
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

**VALIKO Stetan**

Date:

**17.3.2006**

Company:

**REGULA KOČKE AS**

Signature:

  
(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **FT 4074**

Project-No.:

Page: **69** of: **64**

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

**0 - 150 mbar**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

**FT 4074**

till:

**DPS 3.75**

Accompanying circuit diagram:

**D8792705.7 | 69**

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐**0****4****4**2. ☐**25****8****8**3. ☐**50****12****12**4. ☐**75****16****16**5. ☐**100****20****20**6. ☐**75****16**7. ☐**50****12**8. ☐**25****8**9. ☐**0****4**

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

**SVEC JOZEF**

Date:

**14.3.03**

Company:

**REGULA KOŠICE a.s.**

Signature:

(Stamp)

SPEZ70EN.XLS - 16.05.2003



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: GT-11074

Project-No.:

Page: 70 of: C14

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GT-11074

till:

DPS 3.1.5

Accompanying circuit diagram:

D9792 705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 %

4

4

2. ☐

25

25 %

8

8

3. ☐

50

50 %

12

12

4. ☐

75

75 %

16

16

5. ☐

100

100 %

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEC JOZEF

Date:

17.3. 2006

Company:

REGULA KOŠICE AS

Signature:

(Stamp)

 <b>AIR LIQUIDE</b>  <b>AGS</b>		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <b>UV 11074</b>	
		Project:		Project-No.:	
Designation:		Page: <b>71</b> of: <b>C-14</b>		Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:		Accessory:	
	Model number:			
	Total range:	<b>0 - 100%</b>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>UV 11074</b>
		till: <b>DPS 3.1.12</b>
	Accompanying circuit diagram:	<b>D9792 705-1</b>
	Accompanying junction box diagram:	

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2		
	2. <input type="checkbox"/>	25	8	0,4		
	3. <input type="checkbox"/>	50	12	0,6		
	4. <input type="checkbox"/>	75	16	0,8		
	5. <input type="checkbox"/>	100	20	1,0		
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
	<b>OK</b>	<b>OK</b>	<b>OK</b>	

Remarks	
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<b>Inspector</b>	
Name: <b>VÁČKO ŠTEFAN</b>	Date: <b>17.3.2006</b>
Company: <b>REGULA KOŠICE a.s.</b>	Signature: (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: LAH 11080

Project-No.:

Page: 72 of: 114

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation:	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LAH 11080
		till: DPSS.7.11
	Accompanying circuit diagram:	DPSS.7.11
	Accompanying junction box diagram:	DPSS.7.11

Transmitter	Check points	%	Value Unit:	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	1	OK
	3. <input type="checkbox"/> L		<	0	OK
	4. <input type="checkbox"/> LL		<		

Remarks	
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**Inspector**

Name: VALKO Stetan

Date: 17.3.2006

Company: REGULA KOŠICE a.s.

Signature:   
(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: LAH 14081	
		Project:		Project-No.:	
Designation:				Page: 73 of: C14	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LAH 14081
		till: DP82.1.11
	Accompanying circuit diagram:	DP82.1.11
	Accompanying junction box diagram:	DP82.1.11

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	1	OK
			<	0	OK
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			
		<			

Remarks	
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Inspector	
Name: VALKO Štetan	Date: 17.3. 2008
Company: REGULA KOČICE a.s.	Signature: (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: LAH-1082

Project-No.:

Page: 74 of: C-14

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LAH-1082
		till: DPS 3-1.11
	Accompanying circuit diagram:	D9792705-1
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>	1	OK
			<	0	OK
3. <input type="checkbox"/> L			>		
			<		
4. <input type="checkbox"/> LL			>		
			<		

Remarks	
---------	--

**Inspector**

Name:

Valter Stefan

Date:

17.3.06

Company:

Regula Iosie c.s.

Signature:

(Stamp)

CPE2705N.xls 26.05.2006



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 4701

Project-No.:

Page: 75 of: 114

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 4701

till:

DPS 2.17

Accompanying circuit diagram:

D 9792705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

25 °C

8

3. ☐

50

50 °C

12

4. ☐

75

75 °C

16

5. ☐

100

100 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEC JOZEF

Date:

13. III. 2006

Company:

REGULA KOŠICE a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **TE 11 703**

Project-No.:

Page: **76** of: **C14**

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<b>0 - 100°C</b>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	
		till:	
	Accompanying circuit diagram:		
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<b>0 °C</b>	4	
	2. <input type="checkbox"/>	25	<b>25 °C</b>	8	
	3. <input type="checkbox"/>	50	<b>50 °C</b>	12	
	4. <input type="checkbox"/>	75	<b>75 °C</b>	16	
	5. <input type="checkbox"/>	100	<b>100 °C</b>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L			>		
			<		
4. <input type="checkbox"/> LL			>		
			<		

Remarks	
---------	--

Inspector		Date:	<b>13.III.2006</b>
Name: <b>ŠVEC JOZEF</b>		Signature:	
Company: <b>REGULA KOŠICE a.s.</b>		(Stamp)	

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11715

Project-No.:

Page: 77 of: C-14

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 11715
		till: DPS 3.1.8
	Accompanying circuit diagram:	D9792 705-1
Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	50 °C	8	
	3. <input type="checkbox"/>	50	100 °C	12	
	4. <input type="checkbox"/>	75	150 °C	16	
	5. <input type="checkbox"/>	100	200 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector	
Name: SVEC JOZEF	Date: 14. III. 2006
Company: REGULA KOJICE as	Signature:
	(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11718</i>	
		Project:		Project-No.:	
Designation:		Page: <i>78</i> of: <i>C14</i>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 200 °C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	Loop check carried out		from: <i>TE 11718</i>		
			till: <i>D75 318</i>		
	Accompanying circuit diagram:		<i>D9792 705-1</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>50 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>100 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>150 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>200 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector			Date:		
Name: <i>SVEC JOZEF</i>			<i>14.11. 2006</i>		
Company: <i>REGULA KOSICE a.s.</i>			Signature:		
			(Stamp)		

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 11711*

Project-No.:

Page: *79* of: *14*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 100 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*TE 11711*

till:

*DP3 3.7.8*

Accompanying circuit diagram:

*DP 772 705-1*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

*0 °C*

4

2. ☐

25

*50 °C*

8

3. ☐

50

*100 °C*

12

4. ☐

75

*150 °C*

16

5. ☐

100

*200 °C*

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*SVEC JOSEF*

Date:

*14.III.2006*

Company:

*REGULA KOJICE 95*

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 11730.1*

Project-No.:

Page: *80* of: *C-14*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 160 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*TE 11730.1*

till:

*DTS S.T.P*

Accompanying circuit diagram:

*D9492 75.1*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

*0 °C*

4

2. ☐

25

*40 °C*

8

3. ☐

50

*10 °C*

12

4. ☐

75

*-120 °C*

16

5. ☐

100

*-160 °C*

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*SUEC JOZEF*

Date:

*1.3.2006*

Company:

*REGULA POLSKA*

Signature:

*Samir*

(Stamp)

SPC770EN VLS 10-01-001



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11733-1

Project-No.:

Page: 81 of: C14

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 11733-1

till:

DPS 5.1-8

Accompanying circuit diagram:

D 9792 705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

40 °C

8

3. ☐

50

80 °C

12

4. ☐

75

120 °C

16

5. ☐

100

160 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEE JOSEF

Date:

1.3.2006


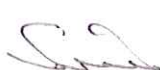
Company:


REGULA KOSICE AS

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 11735-1</b>	
		Project:		Project-No.:	
Designation:		Page: <b>82</b> of: <b>C-14</b>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <b>0 -- -160°C</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: <b>TE 11735-1</b> till: <b>31.8.2006</b>				
	Accompanying circuit diagram: <b>D9792705-1</b>				
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value Unit:	Output signal RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	40 °C	8	
	3. <input type="checkbox"/>	50	80 °C	12	
	4. <input type="checkbox"/>	75	120 °C	16	
	5. <input type="checkbox"/>	100	160 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	
Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed, on/ mute; etc	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector Name: <b>SVEC JOZEP</b>			Date: <b>1.3.2006</b>		
Company: <b>REGULA KOSICE a.s.</b>			Signature:  (Stamp)		

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11737-1</i>	
		Project:		Project-No.:	
Designation:		Page: <i>83</i> of: <i>014</i>		Combination with Tag-No.:	

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<i>0 - +60°C</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out		from:	<i>TE 11737-1</i>
			till:	<i>DPS 3.1.8</i>
	Accompanying circuit diagram:		<i>D 9792 705-1</i>	
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>40 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>80 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>120 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>160 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

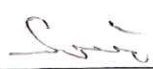
  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks		
---------	--	--

Inspector		Date:	
Name: <i>SVEC JOZEF</i>		<i>1.3.2006</i>	
Company: <i>REGULA KOSICE 9.S</i>		Signature: 	
		(Stamp)	





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 11740-1

Project-No.:

Page: 84 of: 114

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-160°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 11740-1

till:

DRS 1.8

Accompanying circuit diagram:

DRS 2.705-1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

40 °C

8

3. ☐

50

80 °C

12

4. ☐

75

120 °C

16

5. ☐

100

160 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

SVEE JOSEF

Date:

1.3.2006

Company:

REGIA KOJICE AS

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *XC-11740-1*

Project-No.:

Page: *85* of: *C-14*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 200 p.p.m*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*XC-11740-1*

till:

*DPS 3.1-4*

Accompanying circuit diagram:

*29792 705-1*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

*0*

4

*4*2. ☐

25

*50*

8

*8*3. ☐

50

*100*

12

*12*4. ☐

75

*150*

16

*16*5. ☐

100

*200*

20

*20*6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*SUEC JOZEP*

Date:

*15.3.06*

Company:

*REGULA KOSICE*

Signature:

*[Signature]*

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *GE H741*

Project-No.:

Page: *86* of: *C-14*

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	
		till:	
	Accompanying circuit diagram:		
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	Unit:	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

Inspector	
Name:	Date:
Company:	Signature:
(Stamp)	

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11743-1</i>	
		Project:		Project-No.:	
Designation:		Page: <i>87</i> of: <i>014</i>		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 160°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 11743-1</i>
		till: <i>DPS 3.1.9</i>
	Accompanying circuit diagram:	<i>D9782 705-1</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>40 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>80 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>120 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>160 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			


Remarks	
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<b>Inspector</b>	
Name: <i>SVEC JOSEF</i>	Date: <i>1.5.2006</i>
Company: <i>REGULA KOŠICE</i>	Signature: (Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>XE4745.1</i>	
		Project:		Project-No.:	
Designation:		Page: <i>88</i> of: <i>04</i>		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: _____ till: _____				
	Accompanying circuit diagram: _____				
Accompanying junction box diagram: _____					
Transmitter	Check points	%	Value Unit:	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed, on/ mute; etc.	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
			>		
Remarks					
Inspector					
Name:			Date:		
Company:			Signature:		
			(Stamp)		

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 11745-1</i>	
		Project: _____ Designation: _____		Project-No.: _____	
				Page: <i>89</i> of: <i>044</i>	
				Combination with Tag-No.: _____	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0-160°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 11745-1</i>
		till: <i>DPS 3.1.9</i>
	Accompanying circuit diagram:	<i>D9792 705-1</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>40 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>80 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>120 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>160 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

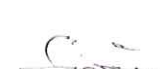
  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>ČUVEČ JOZEF</i>	Date: <i>1.3.2008</i>
Company: <i>REGULA KOTICE a.s.</i>	Signature: 
	(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *XE 11745-1*

Project-No.:

Page: *90* of: *014*

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<i>0-100 p.p.m</i>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>XE 11745-1</i>
		till: <i>DRS 3.4.4</i>
	Accompanying circuit diagram:	<i>D9792705-1</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0</i>	4	<i>4</i>
	2. <input type="checkbox"/>	25	<i>10</i>	8	<i>8</i>
	3. <input type="checkbox"/>	50	<i>100</i>	12	<i>12</i>
	4. <input type="checkbox"/>	75	<i>150</i>	16	<i>16</i>
	5. <input type="checkbox"/>	100	<i>200</i>	20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

**Inspector**

Name:

*SVEČ JOSEF*

Date:

*15.2.06*

Company:

*ZUBICA KOŠICE a.s.*

Signature:

*[Signature]*

(Stamp)

S0673051.XLS - 05.05.2003



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 11747

Project-No.:

Page: 91 of: 114

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0-1.5 Bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 11747
		till: DPS 3-1.3
	Accompanying circuit diagram:	D9782705-1
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

## Inspector

Name:

Svoboda

Date:

1.3.06

Company:

Dagula kocišice a.s.



Signature:

Svoboda

(Stamp)

SPEZ70EN.xls



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TEH 747.1</i> Project-No.: Page: <i>91</i> of: <i>074</i> Combination with Tag-No.:	
		Project: Designation:			
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0-100°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
Wiring	Loop check carried out		from:	<i>TEH 747.1</i>	
			till:	<i>DR S.1.9</i>	
	Accompanying circuit diagram:		<i>DR 747.105.1</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: <i>SVEE JOZEP</i>			Date: <i>15.3.06</i>		
Company: <i>76600A KOSICE 9.1</i>			Signature: 		
			(Stamp)		

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **XE11747-1**

Project-No.:

Page: **93** of: **CH**

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	
		till:	
	Accompanying circuit diagram:		
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

<b>Inspector</b>	
Name:	Date:
Company:	Signature:
	(Stamp)



<div style="display: inline-block; vertical-align: middle; text-align: center;"> <b>AIR LIQUIDE</b>  <b>AGS</b> </div>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 11754</i>	
		Project:		Project-No.:	
Designation:				Page: <i>96</i> of: <i>CH</i>	
				Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0-50 mDA</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
Wiring	Loop check carried out		from: <i>PT 11754</i>		
			till: <i>DRP 3.1.5</i>		
	Accompanying circuit diagram:		<i>DP482 705-1</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			
Remarks					
Inspector					
Name: <i>ČUČEK JOZEF</i>			Date: <i>15.03.2006</i>		
Company: <i>REGULA KOTICE a.s.</i>			Signature: <i>[Signature]</i> (Stamp)		

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *LT 11812*

Project-No.:

Page: *95* of: *214*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0-100%*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*LT 11812**DP31.5**2972705.1*

Accompanying circuit diagram:

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

*4*2. ☐

25

8

*8*3. ☐

50

12

*12*4. ☐

75

16

*16*5. ☐

100

20

*20*6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*Vallio Stefan*

Date:

*1.3.06*

Company:

*Regula (osie a.e.)*

Signature:

(Stamp)

SPEZ70EN VLS 01-06-1993



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *725 11912*

Project-No.:

Page: *96* of: *C14*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

till:

Accompanying circuit diagram:

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

1

OK

2. ☐ H

&lt;

0

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

*S. S. L. L.*

Date:

*1.3.06*

Company:

*Doqula kosice a.s.*

Signature:

*[Signature]*

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 14814*

Project-No.:

Page: *97* of: *214*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0-120 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 14814*

till:

*DRP 3.1.9*

Accompanying circuit diagram:

*DRP 792 705-1*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*SURE JOSEP*

Date:

*1.5.2006*

Company:

*REFUGIA KOSICE 9.1.*

Signature:

*[Signature]*

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *FDS H/846*

Project-No.:

Page: *98* of: *C14*

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*FDS H/846*

till:

*DR 3.1.11*

Accompanying circuit diagram:

*DP79X 705.1*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

*1**OK*2. ☐ H

&lt;

*0**OK*3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

*JVEE JOZEP*

Date:

*1.3.06*

Company:

*REGULA MOJICE G. d.*

Signature:

*[Signature]*

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 11854

Project-No.:

Page: 99 of: 014

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1.5 BAR

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PT 11854

till:

DR 3.1.4

Accompanying circuit diagram:

D9782705.1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etcSignal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

JVEE JOZEF

Date:

17.2.2006

Company:

ZECVIA KOJEC 02

Signature:

(Stamp)

SPEZ70EN YLS - 04.01.2003



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 11854*

Project-No.:

Page: *100* of: *214*

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<i>0 - 100 °C</i>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>TE 11854</i>
		till:	<i>PTS 1.9</i>
	Accompanying circuit diagram:	<i>D97 92 705-1</i>	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>25 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>50 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>75 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>100 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
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**Inspector**Name: *SUEC JOSEF*Date: *15.3.2006*Company: *REFUGA - ROVICE 9J*

Signature:

  
(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: FT 16 007	
				Project-No.:	
AGS		Project:		Page:            of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 100 Nm <sup>2</sup> /h			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: FT 16 007
		till: DPS 3.2.13
	Accompanying circuit diagram:	D 97 92 705-1 / 103
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0	4	4
	2. <input type="checkbox"/>	25	25	8	8
	3. <input type="checkbox"/>	50	50	12	12
	4. <input type="checkbox"/>	75	75	16	16
	5. <input type="checkbox"/>	100	100	20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		


Remarks	
---------	--

<b>Inspector</b>	
Name: Svec Jozef	Date: 14.3.06
Company: Dogula tošice a.s.	Signature:

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 16007</i>	
				Project-No.:	
AGS		Project:		Page:            of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0-7 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-heightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 16007</i>
		till: <i>DPS 3.2 10</i>
	Accompanying circuit diagram:	<i>D 9792 705-1 1104</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks		
---------	--	--

<b>Inspector</b>	
Name: <i>Sven Jozef</i>	Date: <i>7.3.06</i>
Company: <i>Regula kosice a.s</i>	Signature: <i>[Signature]</i>

(Stamp)

 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <i>PK 16007</i> Project-No.: Page:                      of:	
		Project: Designation:		Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<i>0 - 100%</i>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PK 16007</i>
		till: <i>DPS 3. 2. 10</i>
	Accompanying circuit diagram:	<i>D9292205-1 1104</i>
	Accompanying junction box diagram:	

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
	2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
	3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
	4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
	5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

**Inspector**  
 Name: *Svoboda*  
 Company: *Regula Koice a.s.*

Date: *7.3.06*  
 Signature: *[Signature]*  

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 16007	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 60°C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16007
		till: REGULATOR FIC 16074
	Accompanying circuit diagram:	D 97 92 705-4 1105
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	15°C	8	
	3. <input type="checkbox"/>	50	30°C	12	
	4. <input type="checkbox"/>	75	45°C	16	
	5. <input type="checkbox"/>	100	60°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			

Remarks	
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<b>Inspector</b>	
Name: Šváb Jozef	Date: 14.3.06
Company: Regula Košice a.s.	Signature:

Test protocol SPEZ70EN.xls
(Stamp) SPEZ70EN.XLS - 05.05.1999



AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: GT 16010

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK ☐ not OK

- IEC / IS

☐ OK ☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GT 16010

till:

DPS 3.2.3

Accompanying circuit diagramm:

D9792 705-11 106

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

2. ☐

25

8

0,4

?

3. ☐

50

12

0,6

12

4. ☐

75

16

0,8

16

5. ☐

100

20

1,0

20

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Date:

Company:

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: UY 16010

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0-100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

UY 16010

till:

DPS 3.2.10

Accompanying circuit diagram:

D97 92 705-1/107

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

2. ☐

25

8

0,4

8

3. ☐

50

12

0,6

12

4. ☐

75

16

0,8

16

5. ☐

100

20

1,0

10

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Joel Coen

Date:

8.3.06

Company:

Dequela Conice a.s.

Signature:

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16 011</i>	
				Project-No.:	
AGS		Project:		Page:            of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<i>0 - 60°C</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out		from: <i>TE 16 011</i>
			till: <i>DPS 3.2.6</i>
	Accompanying circuit diagram:		<i>D97 92 705-1 1A88</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25	<i>15°C</i>	8	
	3. <input type="checkbox"/>	50	<i>30°C</i>	12	
	4. <input type="checkbox"/>	75	<i>45°C</i>	16	
	5. <input type="checkbox"/>	100	<i>60°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks		
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<b>Inspector</b>	
Name: <i>Sven Jozef</i>	Date: <i>6.3.06</i>
Company: <i>Regula Košice a.s.</i>	Signature: (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16015

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 15 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 16015

till:

DPS 3.2.3

Accompanying circuit diagram:

D 97 92 205-1 1409

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

Remarks

Inspector

Name:

Svec Jozef

Date:

2.3.06

Company:

Regula Kosice

Signature:

(Stamp)

<div><div><div>AIR LIQUIDE</div><div>AGS</div></div></div>		Check Sheet of Sensors		TAG - No.: 7E 16015	
		Proof of Calibration and Checking of Sensors		Project-No.:	
		Project:		Page: of:	
		Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: 0 - 60°C				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-open gateway		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-tightness		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-mounting material as specified		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-VDE		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
Wiring			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
		<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	
		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
Loop check carried out		from: 7E 16015			
		till: DPS 3.2.8			
Accompanying circuit diagram:		D9792 705-1 1/10			
Accompanying junction box diagram:					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	15°C	8	
	3. <input type="checkbox"/>	50	30°C	12	
	4. <input type="checkbox"/>	75	45°C	16	
	5. <input type="checkbox"/>	100	60°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			
Remarks					
Inspector			Date:		
Name: S. J. J.			6.3.06		
Company: Pegula forice a.s.			Signature: [Signature]		
			(Stamp)		





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 021

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 16 021

till:

DPS 3.2.6

Accompanying circuit diagram:

D97 92 705 - 1 / 111

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

10 °C

8

3. ☐

50

100 °C

12

4. ☐

75

150 °C

16

5. ☐

100

200 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point  
> rising; < falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svee Isref

Date:

6.3.06

Company:

Dagula Looice a.s.

Signature:

Svee

(Stamp)

SPEZ70EN VLS 05.05.1000

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 16 025</i>	
				Project-No.:	
AGS		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 25 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 16 025</i>
		till: <i>DPS 3.2.3.</i>
	Accompanying circuit diagram:	<i>DH 92 705-1 / 112</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <i>Štefan Jozef</i>	Date: <i>2.3.06</i>
Company: <i>Degula kotice</i>	Signature: <i>[Signature]</i>

(Stamp) SPEZ705H.XLS 65 65 1603



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16 025</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 60 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 16 025</i>
		till: <i>DPS 3.2.6</i>
	Accompanying circuit diagram:	<i>D9792 705-1 / 113</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>15 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>30 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>45 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>60 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Svec Josef</i>	Date: <i>3.3.06</i>
Company: <i>Regula Kosič a.s.</i>	Signature:
	(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16031</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 200°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>TE 16031</i>
		till:	<i>DPS 3.3.06</i>
	Accompanying circuit diagram:	<i>D9792705-1/114</i>	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25	<i>50°C</i>	8	
	3. <input type="checkbox"/>	50	<i>100°C</i>	12	
	4. <input type="checkbox"/>	75	<i>150°C</i>	16	
	5. <input type="checkbox"/>	100	<i>200°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

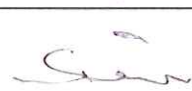
  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <i>Srēc Jozef</i>	Date: <i>3.3.06</i>
Company: <i>Dagula Košice a.s.</i>	Signature: 
(Stamp)	





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16035

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-50 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 16035

till:

DPS 3.2.3

Accompanying circuit diagram:

D77 92 705-1 / 115

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sve - Jozef

Date:

2.3.06

Company:

Regula Košice

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16035

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 60°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 16035
		till:	DPS 3.2.6
	Accompanying circuit diagram:	D9792 205.1 / 116	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	15°C	8	
	3. <input type="checkbox"/>	50	30°C	12	
	4. <input type="checkbox"/>	75	45°C	16	
	5. <input type="checkbox"/>	100	60°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

## Inspector

Name:

Sven Jozef

Date:

6.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 041

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: TE 16 041
		till: DPS 3.2.6
	Accompanying circuit diagram:	D77 92 705-1 1/17
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	50°C	8	
	3. <input type="checkbox"/>	50	150°C	12	
	4. <input type="checkbox"/>	75	200°C	16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

## Inspector

Name:

Lec Jozef

Date:

3.3.06

Company:

Dagala Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16045

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

4,6 - 70 bary

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of -open gateway☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PT 16045

till:

DPS 3.2.13

Accompanying circuit diagram:

D97 92 705-1 1.18

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Lorenz

Date:

2.3.06

Company:

Regula Horice a.s.

Signature:

Lorenz

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16045

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-60°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 16045

till:

DPS Regulator Fic 16074

Accompanying circuit diagram:

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0°

4

2.

☐

25

15°C

8

3.

☐

50

30°C

12

4.

☐

75

45°C

16

5.

☐

100

60°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Cvetko Jozef

Date:

14.3.06

Company:

Regula Košice a.s.

Signature:

(Stamp)

SPE770EN.YLC - 05.05.1003

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *GDH 16071*Project-No.: *606*

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*OPEN - H CLOSED - L*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*GDH 16071*

till:

*DPS 3.2.11*

Accompanying circuit diagram:

*D9772 705-1 / 120*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

*OPEN**OK*3. ☐ L

&gt;

&lt;

*CLOSED**OK*4. ☐ LL

&gt;

&lt;

**Inspector**

Name:

*Svee Loref*

Date:

*15.3.06*

Company:

*Regula Koice a.s.*

Signature:

*[Signature]*

(Stamp)



SPEZ71EN

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: **IV 16071**

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

**0 - 100%**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of  
-open gateway  
tightness☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

**IV 16071**

till:

**DPS 3.2.10**

Accompanying circuit diagram:

**D97 92 705.1 / 120**

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐**0****4****0,2****4 mA****0**2. ☐**25****8****0,4****8****25**3. ☐**50****12****0,6****12****50**4. ☐**75****16****0,8****16****75**5. ☐**100****20****1,0****20****100**6. ☐**75****16****0,8**7. ☐**50****12****0,6**8. ☐**25****8****0,4**9. ☐**0****4****0,2**

Moving

**0 - 100% Stroke****to OPEN****To CLOSED****Quick closing valve to  
safety position:**

Remarks

**Inspector**

Name:

**Čve - 1001**

Date:

**15.3.06**

Company:

**Regula Košice a.s.**

Signature:

**Čve**

(Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>FT 16073</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 65 000 Nm<sup>3</sup> / m<sup>3</sup></i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>FT 16073</i>
		till: <i>DPS 3.2.3</i>
	Accompanying circuit diagram:	<i>D 97 92 705-1 / 124</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 %</i>	4	
	2. <input type="checkbox"/>	25	<i>25 %</i>	8	
	3. <input type="checkbox"/>	50	<i>50 %</i>	12	
	4. <input type="checkbox"/>	75	<i>75 %</i>	16	
	5. <input type="checkbox"/>	100	<i>100 %</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
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<b>Inspector</b>	
Name: <i>Sve 1021</i>	Date: <i>7.3.06</i>
Company: <i>Dogala Kosice a.s.</i>	Signature: <i>[Signature]</i>

Test protocol SPE770EN.xls

(Stamp)

SPE770EN.xls 06.05.1000

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 16 073</i>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>(1 - 100 bar) . 0 - 70 bar</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out		from: <i>PT 16 073</i>		
			till: <i>DBS 3.2.3</i>		
	Accompanying circuit diagram:		<i>DBS 92 205-1 / 112</i>		
Accompanying junction box diagram:					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mule; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			
Remarks					
Inspector					
Name: <i>Svein Jøsef</i>			Date: <i>7.3.06</i>		
Company: <i>Regula forice o.s.</i>			Signature: <i>[Signature]</i>		
			(Stamp)		



**SPECIALIZED** **2000**

ACCEPTED MANUSCRIPT





AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: GT 16074

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0-100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GT 16074

till:

DPS 3.2.3

Accompanying circuit diagramm:

DG792705.1/126

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Date:


Company:

Signature:

(Stamp)

ACCEPTED MANUSCRIPT



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16701</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 150°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 16701</i>
		till: <i>DPS 3.2.7</i>
	Accompanying circuit diagram:	<i>D 97 92 705-1 / 131</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>77°C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>150°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Süher İzzet</i>	Date: <i>6.3.06</i>
Company: <i>Regula Koirce a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPE770EN-VLS - 05.01.1999



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 703

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 150 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16 703
		till: DRS 3.2.7
	Accompanying circuit diagram:	D9792705-1 / 152
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
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## Inspector

Name:

Sot - Josef

Date:

6.3.06

Company:

Regula Lovice a.s.

Signature:

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16715</i>	
		Project:		Project-No.:	
Designation:				Page:            of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 200 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 16715</i>
		till: <i>DPS 3.2.7</i>
	Accompanying circuit diagram:	<i>D99 92 705-1 1133</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>50 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>100 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>150 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>200 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		


  

Remarks		
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Inspector	
Name: <i>Eric Lopez</i>	Date: <i>15.3.06</i>
Company: <i>Regula Iwice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPEZ70EN v1.5

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16 718</i>  Project-No.:  Page:                      of:	
		Project:		Combination with Tag-No.:	
		Designation:			

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 200 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 16 718</i>
		until: <i>DPS 3.2.7</i>
	Accompanying circuit diagram:	<i>D 9792705-1 / 134</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>50 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>100 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>150 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>200 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
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Inspector	
Name: <i>Sören Loref</i>	Date: <i>16.3.06</i>
Company: <i>Bogetra Kosice a.s.</i>	Signature: <i>[Signature]</i>
	(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 721

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0-200°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16 721
		till: DPS 3.2.7
	Accompanying circuit diagram:	D97 92 705-1 / 138
	Accompanying junction box diagram:	

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0°C	4	
2. <input type="checkbox"/>	25	10°C	8	
3. <input type="checkbox"/>	50	100°C	12	
4. <input type="checkbox"/>	75	150°C	16	
5. <input type="checkbox"/>	100	200°C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
1.	<input type="checkbox"/> HH		>		
2.	<input type="checkbox"/> H		>		
3.	<input type="checkbox"/> L		>		
4.	<input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector

Name:

C. J. J. J.

Date:

6.3.06

Company:

Legata Bošice a.s.

Signature:

C. J. J. J.

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 730

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 150 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from: TE 16 730

till: DPS 3.2.7

Accompanying circuit diagram:

D 9792 705-1 / 136

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

8

3. ☐

50

75 °C

12

4. ☐

75

16

5. ☐

100

150 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&lt;

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

**Inspector**

Name:

S. Jozef

Date:

14. 3. 06

Company:

Dagula Korce r. s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: GT 16733

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 200 mm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GT 16733

till:

DPS 3.24

Accompanying circuit diagramm:

D9292705-1 / 140

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

2.

☐

25

8

0,4

8

3.

☐

50

12

0,6

12

4.

☐

75

16

0,8

16

5.

☐

100

20

1,0

20

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sven Loebl

Date:

6.3.06

Company:

Regate Industrie G.S.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 733

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 150°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 16 733

till:

DPS 3.2.7

Accompanying circuit diagram:

D7792 705-1 144

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0 °C

4

2.

☐

25

8

3.

☐

50

75 °C

12

4.

☐

75

16

5.

☐

100

150 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Gün Jozef

Date:

14.3.06

Company:

Regula Kossice a.s

Signature:

Gün

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 734

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 150°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16 734
		till: DPS 3.2.7
	Accompanying circuit diagram:	D 97 92 701.1 / 1942
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	75°C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	150°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: San Josef	Date: 10.3.06
Company: Degula Käserei a.s.	Signature:
	(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 735

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 150°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16 735
		till: DPS 3.2.8
	Accompanying circuit diagram:	D97 92 705-1 1443
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	75°C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	150°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

## Inspector

Name:

Svoboda Jozef

Date:

11. 3. 06

Company:

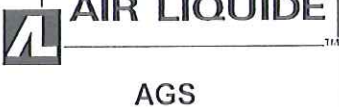
Regula kosice a.s.

Signature:

Svoboda

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 16 736	
		Project:		Project-No.:	
Designation:		Page:		of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 150°C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 16736
		till:	DPS 3.2.8
	Accompanying circuit diagram:	D97 92 705-1 / 144	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	75°C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	150°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
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Inspector	
Name: Švec Jozef	Date: 14.3.06
Company: Doğa la košice a.s.	Signature: 
(Stamp)	

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16 736 X

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 125 mm

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: XE 16 736 X
		till: DPS 3.2.5
	Accompanying circuit diagram:	D97 92 705-1 / 148
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	Unit:	4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
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Inspector	
Name: Sve- Josef	Date: 7.3.06
Company: Roqula Kosice a.s.	Signature:
	(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16737Y

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125  $\mu$ m

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

XE 16737Y

till:

DPS 3.2.5

Accompanying circuit diagram:

D97 92 705-7 / 146

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	4
2. <input type="checkbox"/>	25		8	8
3. <input type="checkbox"/>	50		12	12
4. <input type="checkbox"/>	75		16	16
5. <input type="checkbox"/>	100		20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name:

Sve Jozef

Date:

7.3.06

Company:

Regula Koice 9.5.

Signature:

(Stamp)

SPEZ70EN.XLS 11.11.2005

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 16 738</i>	
		Project: _____ Designation: _____		Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 150°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 16 738</i>
		until: <i>DPS 3.2.8</i>
	Accompanying circuit diagram:	<i>D97 92 705-1 1.197</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>75°C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>150°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks					
---------	--	--	--	--	--

Inspector	
Name: <i>Štef. Jozef</i>	Date: <i>14.2.08</i>
Company: <i>Regula Košice a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16 738 X

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 mm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XE 16 738 X

till:

DPS 3.2.5

Accompanying circuit diagram:

D 97 92 705-1 / 148

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mule; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svein Iosief

Date:

14.3.06

Company:

Regula Kosice a.s.

Signature:

Svein

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16 7394

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 mm

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

XE 16 7394

till:

DPS 3.2.5

Accompanying circuit diagram:

D9792 705-1 / 149

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	4
2. <input type="checkbox"/>	25		8	8
3. <input type="checkbox"/>	50		12	12
4. <input type="checkbox"/>	75		16	16
5. <input type="checkbox"/>	100		20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Sven Loref

Date:

7.3.08

Company:

Regula Industrie a.s.

Signature:

Sven

(Stamp)

C06770EN XLS - 06.05.07





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 740

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-150°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 16 740

till:

DPS 3.2.8

Accompanying circuit diagram:

D 97 92 705-1 / 100

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

8

3. ☐

50

75°C

12

4. ☐

75

16

5. ☐

100

150°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Lohf

Date:

14.3.06

Company:

Regula Kossice a.s.

Signature:

Carm

(Stamp)

SPE770EN XLS - 05.05.10.00



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16 740 X

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 mm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XE 16 740 X

till:

DPS 3.2.5

Accompanying circuit diagram:

D97 92 705-1 / 157

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Jozef

Date:

31.3.06

Company:

Regula Kosice a.s.

Signature:

Sven

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XE 16 740 Y

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200 mm

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: XE 16 740 Y
		till: DPS 3.2.5
	Accompanying circuit diagram:	D92 92 705.1 / 152
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
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Inspector	
Name: Svec Jozef	Date: 31.3.06
Company: Regula Kosice a.s.	Signature: [Signature]
	(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 16 743

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 150°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 16 743
		till: DPS 3.2.8
	Accompanying circuit diagram:	D9792 705-1 / 153
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	75°C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	150°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
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## Inspector

Name:

S. Lorel

Date:

14.3.06

Company:

Regula Iosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 16 743 X

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200 $\mu$ m

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: XT 16 743 X
		till: DPS 3.2.5
	Accompanying circuit diagram:	D 97 92 705-1 1.54
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:		> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
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## Inspector

Name:

Svee Loref

Date:

7.3.06

Company:

Regula Košice a.s.

Signature:

(Stamp)



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AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 16 744 9

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 g/m<sup>3</sup>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XT 16 744 9

till:

DPS 3.2.5

Accompanying circuit diagram:

D77 92 705-1 / 155

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

## Inspector

Name:

Süer İzzet

Date:

7.3.06

Company:

Regula Kocice a.s.

Signature:

(Stamp)





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AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16751

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 250 mbar.

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> -VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 16751
		till: DPS 3.2.4
	Accompanying circuit diagram:	D 9792 705-1 / 156
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:		> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks:	
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## Inspector

Name:

Svee Jozef

Date:

Company:

Regula kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *LIT 16 812*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 100%*

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: *LIT 16 812*  
till: *DPS 3.2.13*  
Accompanying circuit diagram: *D9792 705-1 1.157*  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	<i>0%</i>	4	
2. <input type="checkbox"/>	25	<i>25%</i>	8	
3. <input type="checkbox"/>	50	<i>50%</i>	12	
4. <input type="checkbox"/>	75	<i>75%</i>	16	
5. <input type="checkbox"/>	100	<i>100%</i>	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

**Inspector**

Name:

*Svein Lof*

Date:

*3.3.06*

Company:

*Regula Kosić a.s.*

Signature:

*[Signature]*

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16 812

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	-15 + 15 m bar.

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 16 812
		till: DPS 3.2. 4
	Accompanying circuit diagram:	D9292 705-1 1458
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
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## Inspector

Name:

L. C. Lorel

Date:


3.3.06

Company:

Dagula Košice a.s.

Signature:

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>T 16 812</i>  Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 100°C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of		
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with		
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>T 16 812</i>
		till: <i>DPS 3.2.4</i>
	Accompanying circuit diagram:	<i>D9792705-4/159</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	<i>4</i>
	2. <input type="checkbox"/>	25	<i>25°C</i>	8	<i>8</i>
	3. <input type="checkbox"/>	50	<i>50°C</i>	12	<i>12</i>
	4. <input type="checkbox"/>	75	<i>75°C</i>	16	<i>16</i>
	5. <input type="checkbox"/>	100	<i>100°C</i>	20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks	
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Inspector	
Name: <i>Simon Loref</i>	Date: <i>3.3.06</i>
Company: <i>Dagula Kosić a.s</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: PDH 16 846  Project-No.:  Page:                      of:	
		Project:		Combination with Tag-No.:	
Designation:					

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 1,8 bar			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PDH 16 846
		till: DPS 3.2.4
	Accompanying circuit diagram:	D9292705-1 1/60
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks		
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Inspector	
Name: <i>Čuček Jozef</i>	Date: 3.3.08
Company: <i>Dagula Košice a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16854

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 4 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 16854

till:

DPS 3.2.4

Accompanying circuit diagram:

D9792 705-1 / 169

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sve - Jolof

Date:

3.3.06

Company:

Regula košice a.s.

Signature:

(Stamp)

SPE770EN.VLS - 06.05.1999





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: T 16854

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

T 16854

till:

DPS 3.2.4

Accompanying circuit diagram:

D 9792 705-1 / 162

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

4

2. ☐

25

25°C

8

8

3. ☐

50

50°C

12

12

4. ☐

75

75°C

16

16

5. ☐

100

100°C

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sören Isen

Date:

3.3.08

Company:

Regula Korte AGS

Signature:

Sören

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 16 855

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 4 bar

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from: PT 16 855
	till: DPS 3.2.4
Accompanying circuit diagram:	D97 92 705-1 / 163
Accompanying junction box diagram:	

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA] ACTUAL [mA]
1. <input type="checkbox"/>	0		4 4
2. <input type="checkbox"/>	25		8 8
3. <input type="checkbox"/>	50		12 12
4. <input type="checkbox"/>	75		16 16
5. <input type="checkbox"/>	100		20 20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Simek L. ref

Date:

3. 3. 06

Company:

Dagula Kosić a.s.

Signature:

Simek

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: HZ 70001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out

from: HZ 70 001

till: DPS 3. 3. 11

Accompanying circuit diagram: D9292 705-1 / 168

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

**Inspector**

Name:

Valko Stefan

Date:

18.3.06

Company:

Regula Kosice a.s.

Signature:

WLD

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HK 70 001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK ☐ not OK

- IEC / IS

☐ OK ☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

HK 70 001

till:

DPS 3.3.11

Accompanying circuit diagramm:

D 97 92 705-1 / 168

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

OK

Remarks

**Inspector**

Name:

Balico Stefan

Date:

12.3.06

Company:

Roquela kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 70004

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 250 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 70004

till:

PDS 3.3.5

Accompanying circuit diagram:

D9792705-1 1467

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point  
> rising; < falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Lec Jozef

Date:

15.3.06

Company:

Regula levice a.s.

Signature:

Lec

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 60°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 70001
		till: DPS 3.3.6
	Accompanying circuit diagram:	D9292 705-1 / 168
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	15°C	8	
	3. <input type="checkbox"/>	50	30°C	12	
	4. <input type="checkbox"/>	75	45°C	16	
	5. <input type="checkbox"/>	100	60°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

## Inspector

Name:

Svein Josef

Date:

15.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 70007

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0,8 - 1,3 bar

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 70007

till:

DPS 3.3.3

Accompanying circuit diagram:

D9792708-1/169

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

16

7. ☐

50

12

12

8. ☐

25

8

8

9. ☐

0

4

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Cecile Loeff

Date:

18.4.06

Company:

Dopala Chemie a.s.

Signature:

  
(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: G6L  
GSH 70010

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from: G6L GSH 70010
	till: DP5 3.3.10
Accompanying circuit diagram:	DP7 92 705-1 / 120
Accompanying junction box diagram:	

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA] ACTUAL [mA]
1. <input type="checkbox"/>	0		4
2. <input type="checkbox"/>	25		8
3. <input type="checkbox"/>	50		12
4. <input type="checkbox"/>	75		16
5. <input type="checkbox"/>	100		20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	OPEN	OK
		<		
3. <input type="checkbox"/> L		>	CLOSED	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name: Svec Iozef

Date: 15.3.06

Company: Regula kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: *4470010*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*0 - 100 %*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*4470010*

till:

*DPS 3.3.9*

Accompanying circuit diagramm:

*D97 92 705-1 / 171*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

*4*

2.

☐

25

8

0,4

*8*

3.

☐

50

12

0,6

*12*

4.

☐

75

16

0,8

*16*

5.

☐

100

20

1,0

*20*

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

*Sören Lorenz*

Date:

*18.3.06*

Company:

*Regula Käsler a.s.*

Signature:

*Sören Lorenz*

(Stamp)

SPE771EN-XLS 05.05.1999

<div><div><div>AIR LIQUIDE</div><div>AGS</div></div></div>		Check Sheet of Actuators Proof of Calibration and Checking of Control Valves		TAG - No.: GT 700 10				
		Project:		Project-No.:				
Designation:		Page:		of:				
		Combination with Tag-No.:						
Actor	Kind of actor:	Accessory:		Accessory:				
	Manufacturer:							
	Model number:							
	Total range:	0 - 100%						
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of process connection / piping of -open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	- installation material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of the wiring in accordance with -VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	-BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK				
	Loop check carried out from: GT 700 10							
	till: DPS 3.3.3							
	Accompanying circuit diagramm: DP 92 705-1 / 171							
Actuator	Check points		% Stroke		Operating signal		% Stroke	
	Rated value		[mA] nominal [bar]		ACTUAL Unit:		ACTUAL	
	1. <input type="checkbox"/>	0	4	0,2	4	0		
	2. <input type="checkbox"/>	25	8	0,4	8	25		
	3. <input type="checkbox"/>	50	12	0,6	12	50		
	4. <input type="checkbox"/>	75	16	0,8	16	75		
	5. <input type="checkbox"/>	100	20	1,0	20	100		
	6. <input type="checkbox"/>	75	16	0,8				
	7. <input type="checkbox"/>	50	12	0,6				
	8. <input type="checkbox"/>	25	8	0,4				
Moving	0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:	
Remarks								
Inspector				Date:				
Name: S. Konec				15.3.06				
Company: Regula kotice a.s.				Signature: S. Konec				
				(Stamp)				



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 70015</i>  Project-No.:  Page:                      of:	
		Project:		Combination with Tag-No.:	
Designation:					

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 2 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 70015</i>
		till: <i>DPS 3.3.3</i>
	Accompanying circuit diagram:	<i>D9792 705-1 1.172</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks					
---------	--	--	--	--	--

Inspector	
Name: <i>Sven Jozef</i>	Date: <i>15.3.06</i>
Company: <i>logate busice v.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70 015.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70 015.1

till:

DPS 3.3.6

Accompanying circuit diagram:

D9792 705-1 / 173

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Jorg

Date:

15.3.06

Company:

Dequa Kocia a.s.

Signature:

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PDT 70 020</i>	
		Project:		Project-No.:	
Designation:		Page:		of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 160 mbar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>PDT 70 020</i>	
		till:	<i>DPS 3.3.5</i>	
	Accompanying circuit diagram:		<i>D97 92 705-1 1774</i>	
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Štěr Jozef</i>	Date: <i>15. 2. 06</i>
Company: <i>Dagala Košice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPE770EN.XLS - 6.6.6.1000

AGS		Check Sheet of Sensors Proof of Calibration and Checking of Sensors		TAG - No.: PDT 70 021	
				Project-No.:	
		Project:		Page:            of:	
		Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0-4 bar</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
Wiring	Loop check carried out		from:	<i>PDT 70 021</i>	
			till:	<i>DPS Regulator TIC 70074</i>	
	Accompanying circuit diagram:		<i>D97 92 705-1 175</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
Remarks					
Inspector					
Name: <i>Sime Sorel</i>			Date: <i>15.3.06</i>		
Company: <i>Dagala Posice d.o.o.</i>			Signature: <i>[Signature]</i>		
			(Stamp)		



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 70025</i>	
		Project:		Project-No.:	
Designation:		Page:		of:	
		Combination with Tag-No.:			

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 4 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>PT 70025</i>
		till:	<i>DPS 3.3.3</i>
	Accompanying circuit diagram:		<i>D9792705-1 1176</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <i>Sven Jønt</i>	Date: <i>15.8.06</i>
Company: <i>Regula Kosice a.s.</i>	Signature: <i>[Signature]</i>
	(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 70025</i>	
		Project: _____ Designation: _____		Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____	
Sensor	Kind of sensor: _____				
	Manufacturer: _____				
	Model number: _____				
	Range adjusted at: <i>0 - 200°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of _____ -open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	_____ -tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	_____ -mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with _____ -VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	_____ -IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	_____ -VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	Loop check carried out		from: <i>TE 70025</i>		
			till: <i>DPS 3.3.6</i>		
	Accompanying circuit diagram:		<i>D 9792 705-1 1/77</i>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value <small>Unit:</small>	Output signal <small>RATED [mA]</small>	<small>ACTUAL [mA]</small>
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25	<i>50°C</i>	8	
	3. <input type="checkbox"/>	50	<i>100°C</i>	12	
	4. <input type="checkbox"/>	75	<i>150°C</i>	16	
	5. <input type="checkbox"/>	100	<i>200°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	
Limit value switch	Limit value character	Adjusted limit value <small>Unit:</small>	Switch point <small>&gt; rising; &lt; falling</small>	Switching condition <small>open/ closed; on/ mute; etc</small>	Signal condition <small>Binary input DCS</small>
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: <i>Švec Jozef</i>			Date: <i>15.3.06</i>		
Company: <i>Regula kositie a.s.</i>			Signature: <i>[Signature]</i>		





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 70031

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 10 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 70031
		to: DPS 3.3.3
	Accompanying circuit diagram:	D 97 92 705-1 / 178
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: Svec Jozef	Date: 15.3.06
Company: Regula Lohice	Signature: [Signature]

(Stamp)

SPE770EN.xls 05.05.1000

<div><div><div>AIR LIQUIDE</div><div>AGS</div></div></div>		Check Sheet of Sensors		TAG - No.: 60H 70 035	
		Proof of Calibration and Checking of Sensors		Project-No.:	
Project:		Designation:		Page: of:	
				Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out		from: 60H 70 035		
			till: DPS 3.3.10		
	Accompanying circuit diagram:		D97 72 705-1 / 179		
Transmitter	Check points		%	Value	Output signal
				Unit:	RATED [mA]
	1. <input type="checkbox"/>		0		4
	2. <input type="checkbox"/>		25		8
	3. <input type="checkbox"/>		50		12
	4. <input type="checkbox"/>		75		16
	5. <input type="checkbox"/>		100		20
	6. <input type="checkbox"/>		75		16
	7. <input type="checkbox"/>		50		12
	8. <input type="checkbox"/>		25		8
Limit value switch	9. <input type="checkbox"/>		0		4
	Limit value character		Adjusted limit value	Switch point	Switching condition
			Unit:	> rising; < falling	open/ closed; on/ mute; etc.
	1. <input type="checkbox"/> HH			>	
	2. <input type="checkbox"/> H			<	OPEN
	3. <input type="checkbox"/> L			>	CLOSED
	4. <input type="checkbox"/> LL			<	
				>	
				<	
				>	
Remarks					
Inspector					
Name: Valiko Stefan			Date: 17.3.08		
Company: Regula kosice s.s.			Signature: [Signature]		
			(Stamp)		





**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *UV 70035*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of -open gateway☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with -VDE☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*UV 70035*

till:

*DPS 3.3.11*

Accompanying circuit diagram:

*D 97 92 705-1 / 180*

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit.

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Volko Stefan*

Date:

*17.3.08*

Company:

*Regula losice a.s.*

Signature:

*WLL*

(Stamp)

SPEZ71EN-VLS-05-01-1000



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **PT 70035**

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

**0 - 10 bar**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

**PT 70035**

till:

**DPS 3.3.5**

Accompanying circuit diagram:

**D9792705-1 / 181**

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

**Inspector**

Name:

**Svec Jozef**

Date:

**23.3.06**

Company:

**Regula kotice a.s.**

Signature:

(Stamp)

SPEZ70EN.xls 15.05.2003



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70035

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70035

till:

DPS 3.3.6

Accompanying circuit diagram:

D9792205-1 / 1P2

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

50 °C

8

3. ☐

50

100 °C

12

4. ☐

75

150 °C

16

5. ☐

100

200 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

## Inspector

Name:

Svoboda Josef

Date:

13. 3. 06

Company:

Regula Lohice a.s.

Signature:

Svoboda

(Stamp)

SPE770EN-1/1-01-01-0001





AIR LIQUIDE

AGS

# Check Sheet of Actuators

## Proof of Calibration and Checking of Control Valves

TAG - No.: HIL 70036

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

HIL 70036

till:

DPS 3.3.9

Accompanying circuit diagramm:

D 92 92 705-1 / 183

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Valiko Stefan

Date:

17.3.08

Company:

Regula košice a.s.

Signature:

(Stamp)



AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of SensorsTAG - No.: GSH  
GSL 70074

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	GSH, GSL 70074
	till:	DP'S 3.3.10
Accompanying circuit diagram:	D9792 705-1 / 187	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	OPEN	OK
3. <input type="checkbox"/> L		>	CLOSED	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Valter Stefan

Date: 17.3.06

Company: Regula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *UV 70074*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>UV 70074</i>
		till:	<i>DPS 3.3.11</i>
	Accompanying circuit diagram:	<i>D9792705-1/187</i>	
	Accompanying junction box diagram:		

Actuator	Check points	% Stroke	Operating signal			% Stroke
		Rated value	[mA] nominal	[bar]	ACTUAL Unit:	ACTUAL
	1. <input type="checkbox"/>	0	4	0,2		
	2. <input type="checkbox"/>	25	8	0,4		
	3. <input type="checkbox"/>	50	12	0,6		
	4. <input type="checkbox"/>	75	16	0,8		
	5. <input type="checkbox"/>	100	20	1,0		
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2			

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		<i>OL</i>	<i>OK</i>	

Remarks	
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**Inspector**Name: *Valiko Stefan*Date: *17.3.08*Company: *Regula Kosice a.s.*

Signature:

*Valiko*

(Stamp)

**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *CC*  
*GT 70 074*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<i>0 - 10 0'1</i>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of - open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with -VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>CC, GT 70 074</i>
		till:	<i>DPS 3.3.5</i>
	Accompanying circuit diagramm:	<i>D9792 705-1 / R8</i>	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
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**Inspector**

Name:

*Valiko Stefan*

Date:

*17.3.06*

Company:

*Regula kosice a.s.*

Signature:

*[Signature]*

(Stamp)

SPEZZIEN KLS - 1000-1000



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 70 701</i>  Project-No.:  Page:                      of:	
		Project:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 150°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Loop check carried out		from: <i>TE 70 701</i>			
		till: <i>DPS 3.3.6</i>			
		Accompanying circuit diagram: <i>D9792 705-1 / 189</i>			
		Accompanying junction box diagram:			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0°C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>75°C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>150°C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			
Remarks					
Inspector					
Name: <i>Spec. Insp.</i>			Date: <i>16.3.06</i>		
Company: <i>Regula Koice a.s.</i>			Signature: <i>[Signature]</i>		
			(Stamp)		



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70 703

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 150 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 70 703
		till: DPS 3.3.C
	Accompanying circuit diagram:	D97 92 705-1 1190
	Accompanying junction box diagram:	

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0 °C	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	75 °C	12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	150 °C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
1. <input type="checkbox"/> HH			>		
2. <input type="checkbox"/> H			>		
3. <input type="checkbox"/> L			>		
4. <input type="checkbox"/> LL			>		

Remarks	
---------	--

## Inspector

Name:

S. Štef. Štef.

Date:

16.3.06

Company:

Regula kosice a.s.

Signature:

(Stamp)



# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: *TE 70 715*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<i>0-200°C</i>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 70 715</i>
		till: <i>DPS 3.3.6</i>
	Accompanying circuit diagram:	<i>D97 92 705-1 / 191</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
1.	<input type="checkbox"/>	0	<i>0°C</i>	4	
2.	<input type="checkbox"/>	25	<i>50°C</i>	8	
3.	<input type="checkbox"/>	50	<i>100°C</i>	12	
4.	<input type="checkbox"/>	75	<i>150°C</i>	16	
5.	<input type="checkbox"/>	100	<i>200°C</i>	20	
6.	<input type="checkbox"/>	75		16	
7.	<input type="checkbox"/>	50		12	
8.	<input type="checkbox"/>	25		8	
9.	<input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
1.	<input type="checkbox"/> HH		>		
2.	<input type="checkbox"/> H		>		
3.	<input type="checkbox"/> L		<		
4.	<input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector

Name:

*Simek Josef*

Date:

*16.3.06*

Company:

*Legata bošice a.s.*

Signature:

*[Signature]*

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70718

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70718

till:

DPS 3.3.7

Accompanying circuit diagram:

D9792705-1 1992

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Lof

Date:

16.3.08

Company:

Logata korien a.s.

Signature:

Sven

(Stamp)

SPEZ770EN-VLS-05-01-1000





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70 721

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 70 721
		till: DPS 3.3.7
	Accompanying circuit diagram:	D9792 70.1-1 / 143
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	50 °C	8	
	3. <input type="checkbox"/>	50	100 °C	12	
	4. <input type="checkbox"/>	75	150 °C	16	
	5. <input type="checkbox"/>	100	200 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

## Inspector

Name:

Svee Loref

Date:

16.3.06

Company:

Regula Kosić a.s.

Signature:


Svee Loref

(Stamp)

SPE770EN.XLS 05.05.10

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <u>TE 70 736</u>  Project-No.: _____  Page: _____ of: _____	
		Project: _____  Designation: _____		Combination with Tag-No.: _____	
Sensor	Kind of sensor: _____				
	Manufacturer: _____				
	Model number: _____				
	Range adjusted at: <u>0-200°C</u>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	Loop check carried out		from: <u>TE 70 736</u>		
			till: <u>DPS 3.3.7</u>		
	Accompanying circuit diagram:		<u>D 97 72 705-1 1.194</u>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value Unit:	Output signal RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<u>0°C</u>	4	
	2. <input type="checkbox"/>	25	<u>10°C</u>	8	
	3. <input type="checkbox"/>	50	<u>100°C</u>	12	
	4. <input type="checkbox"/>	75	<u>150°C</u>	16	
	5. <input type="checkbox"/>	100	<u>200°C</u>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	
Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		
			<		
Remarks					
Inspector:					
Name: <u>S. L. Lopez</u>			Date: <u>16.3.06</u>		
Company: <u>Regula losice a.s</u>			Signature: <u>[Signature]</u>		
			(Stamp)		



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>XT 70736</i>	
				Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<i>0 - 125 mm</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>XT 70736</i>
		till: <i>DPS 3.3.4</i>
	Accompanying circuit diagram:	<i>D97 92 705-1 / 195</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
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Inspector	
Name: <i>Valter Stefan</i> Company: <i>Regula Kosice a.s.</i>	Date: <i>17.3.06</i> Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 70 737</b>  Project-No.:  Page:                      of:	
		Project:		Combination with Tag-No.:	
		Designation:			

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<b>0-200°C</b>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 70 737</b>
		till: <b>DPS 3.3.7</b>
	Accompanying circuit diagram:	<b>D97 92 705.1 1196</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	50°C	8	
	3. <input type="checkbox"/>	50	100°C	12	
	4. <input type="checkbox"/>	75	150°C	16	
	5. <input type="checkbox"/>	100	200°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
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<b>Inspector</b>	
Name: <b>Goce Kocif</b>	Date: <b>16.3.06</b>
Company: <b>Dagula Kosić d.o.o.</b>	Signature: <b>OK [Signature]</b>

(Stamp) SPE770EN V1.0 05.05.1999





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: GT 70738

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

25 - 0 - 25 mV

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GT 70738

till:

DPS 3.3.4

Accompanying circuit diagram:

D9792705.1 / 197

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Jozef

Date:

17.3.06

Company:

Regula kosice a.s.

Signature:

Svee

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70 738

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0-200°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 70 738
		till:	DPS. 3.3.7
	Accompanying circuit diagram:	D 9792 705-1 / 199	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	50°C	8	
	3. <input type="checkbox"/>	50	100°C	12	
	4. <input type="checkbox"/>	75	150°C	16	
	5. <input type="checkbox"/>	100	200°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector

Name:

C. C. L. L. L.

Date:

16.3.08

Company:

Regula kosice a.s.

Signature:

C. C. L. L. L.

(Stamp)

SPEZZOEN.XLS 05.05.1999



<div style="display: inline-block; vertical-align: middle; text-align: center;"> <b>AIR LIQUIDE</b>          AGS       </div>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: XT 70 738	
		Project: _____ Designation: _____		Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____	
Sensor	Kind of sensor: _____				
	Manufacturer: _____				
	Model number: _____				
	Range adjusted at: 0 - 125 gmm				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: XT 70 738 till: DPS 3.3.4 Accompanying circuit diagram: D92 92 705-1 / 200 Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
Remarks	4. <input type="checkbox"/> LL		<		
<b>Inspector</b> Name: Svec Iozel Date: 17.3.06 Company: Regula kossice a.s. Signature: <div style="text-align: right;">(Stamp)</div>					



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70739

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70739

till:

DPS 3.2.7

Accompanying circuit diagram:

D97-92 705-1 1204

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0 °C

4

2.

☐

25

50 °C

8

3.

☐

50

100 °C

12

4.

☐

75

150 °C

16

5.

☐

100

200 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Sven Bozel

Date:

16.3.06

Company:

Regula Kosić a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70740

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0-200°C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 70740
		till: DPS 3.3.7
	Accompanying circuit diagram:	DPS 3.3.7
	Accompanying junction box diagram:	DPS 3.3.7

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	70°C	8	
	3. <input type="checkbox"/>	50	100°C	12	
	4. <input type="checkbox"/>	75	130°C	16	
	5. <input type="checkbox"/>	100	160°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
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Inspector	
Name: Gie - 1024	Date: 16-3-08
Company: Dogala Košice a.s.	Signature: [Signature]
	(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 70740

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125  $\mu$ m

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of -open gateway☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with -VDE☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XT 70740

till:

DPS 3.3.4

Accompanying circuit diagram:

D9792 705-1 / 205

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svea Loref

Date:

17.3.06

Company:

Regula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70741

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70741

till:

DPS 3.3.7

Accompanying circuit diagram:

D9792705-1 / 204

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0 °C

4

2.

☐

25

50 °C

8

3.

☐

50

100 °C

12

4.

☐

75

150 °C

16

5.

☐

100

200 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Sven Löff

Date:

16.3.06

Company:

Dequle Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70742

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70742

till:

DPS 3.3.8

Accompanying circuit diagram:

D9792705-1 / 206

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Valter Stefan

Date:

18.3.06

Company:

Doprava kyslíce a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 70 742

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125  $\mu m$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XT 70 742

till:

DPS 3.3.4

Accompanying circuit diagram:

D7792 705-1/207

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Valter Stefan

Date:

17.3.06

Company:

Regula kotice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: GT 70742

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

25-0-25 m/s

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GT 70742

till:

DPS 3.3.4

Accompanying circuit diagram:

D9792705-1 / 208

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Václav Štefán

Date:

17.3.06

Company:

Regula Košice a.s.

Signature:

Václav Štefán

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 70 743

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 70 743

till:

BPS 3.3.P

Accompanying circuit diagram:

D 97 92 705-1 / 209

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Stefan Stefan

Date:

18. 3. 06

Company:

Regula koice a.s.

Signature:

WLD

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PSL 70753

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from: PSL 70753
	till: DPS 3.3.10
Accompanying circuit diagram:	D9792 705-1 / 210
Accompanying junction box diagram:	

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Valko Stefan

Date:

17.3.08

Company:

Regula Košice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TSH 70 P10

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of -open gateway☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TSH 70 P10

till:

DPS 3.3. 10

Accompanying circuit diagram:

D9292705-1 / 211

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Inspector

Name:

Valko Stefan

Date:

17.3.08

Company:

Regula Koice a.s.

Signature:

Valko

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: LGS 70813

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from: LGS 70 813
	until: DPS 3.3. 10
Accompanying circuit diagram:	D97 92 205- 7 / 212
Accompanying junction box diagram:	

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name: Valiko Stefan

Date: 17.3.06

Company: Regula Koice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TSH 70 PAS

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from: TSH 70 PAS
	till: DPS 3.3.10
Accompanying circuit diagram:	D9792705-7 + 213
Accompanying junction box diagram:	

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Valiko Stefan

Date: 17.3.08

Company: Regula Kocice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: DDIS 70846

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: DDIS 70846  
till: DPS 3.3.10  
Accompanying circuit diagram: D97-92705-1/214  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		> <		
2. <input type="checkbox"/> H		> <	ON	OK
3. <input type="checkbox"/> L		> <	OFF	OK
4. <input type="checkbox"/> LL		> <		

Remarks

Inspector

Name: Valiko Stefan

Date: 17.3.06

Company: Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 70 854

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0-4 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 70 854
		till: DPS 3.3.4
	Accompanying circuit diagram:	D9292 705-1 / 215
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks	
---------	--

## Inspector

Name: Svec Jozsef	Date: 15.3.06
Company: Regula Kossice a.s.	Signature: Svec

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 70 854*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 100 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 70 854*

till:

*DPS 3.3.8*

Accompanying circuit diagram:

*D9792 705.1 / 216*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

*0 °C*

4

2.

☐

25

*25 °C*

8

3.

☐

50

*50 °C*

12

4.

☐

75

*75 °C*

16

5.

☐

100

*100 °C*

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

*Cvet. Loref*

Date:

*15.3.06*

Company:

*Regula kotice a.s.*

Signature:

*[Signature]*

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: HZ 77 001	
		Project:		Project-No.:	
Designation:		Page:		of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	EMERGENCY SHUT DOWN			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	HZ 77 001	
		till:	77 001 A1 S41, S42	
	Accompanying circuit diagram:	D9792 705-1 1217		
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>	CLOSED	OK
	4. <input type="checkbox"/> LL		>		

Remarks	
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<b>Inspector</b>	
Name: Švec Jozef	Date: 9.3.06
Company: Regula kotiče a.s.	Signature:
	(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: HK 77 001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: HK 77 001
		till: DPS 3.4.11
	Accompanying circuit diagram:	D7792705 -1 / 2/8
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

## Inspector

Name: Süer Josef	Date: 8.3.06
------------------	--------------

Company: Regula toice a.s.	Signature:
----------------------------	------------

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 77001</i>	
				Project-No.:	
AGS		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 250 mbar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 77 001</i>
		till: <i>DPS 3.3.5</i>
	Accompanying circuit diagram:	<i>D97 92 705-1 1219</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
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<b>Inspector</b>	
Name: <i>Svec Jozef</i>	Date: <i>8.3.06</i>
Company: <i>Regula kotice a.s.</i>	Signature: <i>[Signature]</i> (Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 60 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77001

till:

DPS 3.4.6

Accompanying circuit diagram:

D 97 92 205-1 / 220

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

0 °C

4

2.

☐

25

15 °C

8

3.

☐

50

30 °C

12

4.

☐

75

45 °C

16

5.

☐

100

60 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Svee Jozef

Date:

8.3.06

Company:


Regula lošice

Signature:

(Stamp)

SPEZ770EN-VLS-06-06-1003



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>GSL 77010</i> GSH Project-No.:	
		Project:		Page: of:	
Designation:		Combination with Tag-No.:			

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	OPEN - CLOSED			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>GSL, GSH 77010</i>
		till: <i>DPS 3. 4. 10</i>
	Accompanying circuit diagram:	<i>D97 92 705.1 / 222</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	OPEN	OK
	3. <input type="checkbox"/> L		>	CLOSED	OK
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector	
Name: <i>Vaiko Stefan</i>	Date: <i>18.3.06</i>
Company: <i>Dogula kosice a.s.</i>	Signature: <i>[Signature]</i> (Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: 04 77010	
		Project:				Project-No.:	
		Designation:				Page:                      of:	
						Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	48 7701
		till:	DPS 3.4.9
	Accompanying circuit diagram:		D97 92 705-1 / 223
	Accompanying junction box diagram:		

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	9	0
	2. <input type="checkbox"/>	25	8	0,4	8	25
	3. <input type="checkbox"/>	50	12	0,6	12	50
	4. <input type="checkbox"/>	75	16	0,8	16	75
	5. <input type="checkbox"/>	100	20	1,0	20	100
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

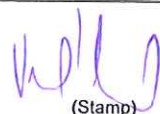
  

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
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<b>Inspector</b>	
Name: Valiko Stefan	Date: 18.3.06
Company: Zogmla Kosice a.s.	Signature:  (Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 77015

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 2 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 77015
		till: DPS 3.4.3
	Accompanying circuit diagram:	D9792705-1 / 224
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed, on/ mute; etc.	Signal condition Binary input DCS
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

## Inspector

Name: Svec Jozef

Date: 8.3.06

Company: Lagula kšice

Signature: Svec

(Stamp)

SPE770EN.XLS 05.05.1002



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77015.1

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 ~ 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77015

till:

DPS 3.4.6

Accompanying circuit diagram:

D 9792 DPS-1 / 225

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0°C

4

2.

☐

25

50°C

8

3.

☐

50

100°C

12

4.

☐

75

150°C

16

5.

☐

100

200°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sveer Josef

Date:

10.3.06

Company:

Zagula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 77 020

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 160 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PDT 77 020

till:

DPS 3.4.5

Accompanying circuit diagram:

D 97 92 705 - 1 / 226

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

## Inspector

Name:

Svec Josef

Date:

8.3.06

Company:

Regula Koice s.r.o.

Signature:

(Stamp)

SPE770EN.xls 05.01.2003



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 77 021

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 4 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PDT 77 021

till:

77074A1 5+6-

Accompanying circuit diagram:

D 77 92 705-1 1227

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svee Jozef

Date:

8. 3. 06

Company:

Regula kotice a.s.

Signature:

(Stamp)

SPEZ70EN VLS 05.05.1000





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 77025

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 4 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 77025
		till: DPS 3.4.3
	Accompanying circuit diagram:	D 9792 705-1 1228
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
1.	<input type="checkbox"/>	0		4	4
2.	<input type="checkbox"/>	25		8	8
3.	<input type="checkbox"/>	50		12	12
4.	<input type="checkbox"/>	75		16	16
5.	<input type="checkbox"/>	100		20	20
6.	<input type="checkbox"/>	75		16	
7.	<input type="checkbox"/>	50		12	
8.	<input type="checkbox"/>	25		8	
9.	<input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
1.	<input type="checkbox"/> HH		>		
2.	<input type="checkbox"/> H		>		
3.	<input type="checkbox"/> L		<		
4.	<input type="checkbox"/> LL		<		

Remarks	
---------	--

## Inspector

Name:

Svee Iozef

Date:

8.3.06

Company:

Regula Karić a.s.

Signature:

(Stamp)

SPE770EN.xls 05.05.1003

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **TE 77025**

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<b>0 - 200°C</b>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of		
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with		
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 77025</b>
		till: <b>DPS 3.4.6</b>
	Accompanying circuit diagram:	<b>D 9792705 - 1 / 229</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<b>0°C</b>	<b>4</b>	
	2. <input type="checkbox"/>	25	<b>50°C</b>	<b>8</b>	
	3. <input type="checkbox"/>	50	<b>100°C</b>	<b>12</b>	
	4. <input type="checkbox"/>	75	<b>150°C</b>	<b>16</b>	
	5. <input type="checkbox"/>	100	<b>200°C</b>	<b>20</b>	
	6. <input type="checkbox"/>	75		<b>16</b>	
	7. <input type="checkbox"/>	50		<b>12</b>	
	8. <input type="checkbox"/>	25		<b>8</b>	
	9. <input type="checkbox"/>	0		<b>4</b>	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

**Inspector**

Name:

**Sücc Jazef**

Date:

**10.2.06**

Company:

**Dequle kosice a.s.**

Signature:

(Stamp)

CSE770EN.XLS 04.04.2003





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: 7T 77 031

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 10 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	PT 77 031
		till:	DPS 3.4.3
	Accompanying circuit diagram:	D9792 701-1 / 230	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	

Inspector

Name:

Svee Jozef

Date:

3.3.06

Company:

Regula Kosice a.s.

Signature:

Svee

(Stamp)

SPE770EN.XLS 05.05.1993

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **G0H 77035**  
Project-No.: **GOL**

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<b>OPEN - CLOSED</b>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>G0H, GOL 77035</b>
		till: <b>DPS 3.4.10</b>
	Accompanying circuit diagram:	<b>D 92 92 705.1 / 23A</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	<b>OPEN</b>	<b>OK</b>
	3. <input type="checkbox"/> L		>	<b>CLOSED</b>	<b>OK</b>
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector	
Name: <b>Valiko Stefan</b>	Date: <b>18.3.08</b>
Company: <b>Regula kosice a.s.</b>	Signature:
	(Stamp)



		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <b>HV 77035</b>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<b>0 - 100%</b>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK <input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK <input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>HV 77035</b>
		till: <b>DBS 3.4.9</b>
	Accompanying circuit diagram:	<b>D9792705-1 / 232</b>
	Accompanying junction box diagram:	

Actuator	Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
			[mA] nominal	[bar]	ACTUAL Unit:
	1. <input type="checkbox"/>	0	4	0,2	0
	2. <input type="checkbox"/>	25	8	0,4	25
	3. <input type="checkbox"/>	50	12	0,6	50
	4. <input type="checkbox"/>	75	16	0,8	75
	5. <input type="checkbox"/>	100	20	1,0	100
	6. <input type="checkbox"/>	75	16	0,8	
	7. <input type="checkbox"/>	50	12	0,6	
	8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2		


  

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		<b>OK</b>	<b>OK</b>	

**Inspector**  
 Name: **Dallao Stefan**                      Date: **18.3.08**  
 Company: **Boquila Kossice**                      Signature: 

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: UV 77035  Project-No.:  Page:                      of:	
		Project:  Designation:				Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	SOLENOID		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK <input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK <input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK <input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: UV 77035
		to: DPS 3.4.11
	Accompanying circuit diagram:	D97 92 705-1 / 232
	Accompanying junction box diagram:	

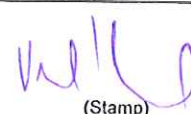
  

Actuator	Check points	% Stroke Rated value	[mA] nominal	Operating signal [bar]	ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2		
	2. <input type="checkbox"/>	25	8	0,4		
	3. <input type="checkbox"/>	50	12	0,6		
	4. <input type="checkbox"/>	75	16	0,8		
	5. <input type="checkbox"/>	100	20	1,0		
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Inspector	
Name: Valico Stefan	Date: 18.3.06
Company: Zepuka kosice a.s.	Signature:  (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 77035

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 77035

till:

DPS 3.4.5

Accompanying circuit diagram:

D9792 705-1 / 233

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Lore Jozef

Date:

23.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

SPEZ70EN.XLS 25.10.2003



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77038

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77038

till:

DPS 3.4.6

Accompanying circuit diagram:

D97 92 708-1 / 254

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

50 °C

8

3. ☐

50

100 °C

12

4. ☐

75

150 °C

16

5. ☐

100

200 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

&lt;

Remarks

## Inspector

Name:

Svee Jozef

Date:

23.3.06

Company:

Regula Koice r.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: **HL 77 036**

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with  
- VDE☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

HL 77 036

till:

DPS 3.4.9

Accompanying circuit diagram:

D97 92 705-1 / 235

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

11

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Valiko Stefan

Date:

18.3.06

Company:

Regula Icosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: GSH

CSL 77074

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GSH, CSL 77074

till:

DPS 3.4.10

Accompanying circuit diagram:

D9792 705-1 / 259

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

OPEN

OK

3. ☐ L

&gt;

CLOSED

OK

4. ☐ LL

&gt;

&lt;

Remarks

**Inspector**

Name:

Danko Stefan

Date:

18.3.06

Company:

Regula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: UV 77074

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

SOLE NO. 10

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

UV 77074

till:

DPS 3.4.11

Accompanying circuit diagramm:

D9792 705-1 / 239

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

[mA] nominal [bar]

Operating signal

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

2.

☐

25

8

0,4

3.

☐

50

12

0,6

4.

☐

75

16

0,8

5.

☐

100

20

1,0

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Valico Stefan

Date:

18.3.06

Company:

Regula kotice a.s.

Signature:

(Stamp)

SPF771EN.xls 21.05.2003



AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control ValvesTAG - No.: GC  
CT 77074

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GC CT 77074

till:

DPS 3.4.5

Accompanying circuit diagramm:

D9792705-1 / 240

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

## Inspector

Name:

Valko Stefan

Date:

18.3.06

Company:

Regula Icoice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 77 701*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 150°C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 77 701*

till:

*DPS 3.4.6*

Accompanying circuit diagram:

*D9792 205-1 1241*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

*0°C*

4

2.

☐

25

8

3.

☐

50

*75°C*

12

4.

☐

75

16

5.

☐

100

*150°C*

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

*Svec Jozef*

Date:

*10.3.06*

Company:

*Dejula kosice a.s.*

Signature:

(Stamp)

SPE770EN.XLS 10.07.2005



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE77 703

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 150°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 703

till:

DPS 3.4.6

Accompanying circuit diagram:

D97 92 205 - 1 / 242

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

0°C

4

2.

☐

25

8

3.

☐

50

75°C

12

4.

☐

75

16

5.

☐

100

150°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute, etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Svee Jozef

Date:

10.2.06

Company:

Dagala Kosić G.S.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 715

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 715

till:

DPS 3.4.6

Accompanying circuit diagram:

D 97 92 705 - 1 / 243

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0°C

4

2.

☐

25

50°C

8

3.

☐

50

100°C

12

4.

☐

75

150°C

16

5.

☐

100

200°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Jozek

Date:

10.2.06

Company:

Regula kotice o.s.

Signature:

Svee

(Stamp)

SPE770EN-VLS 05.05.1993



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 7 18

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 7 18

till:

DP 53. 4. 7

Accompanying circuit diagram:

D 97 92 705-1 1244

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]Output signal  
ACTUAL [mA]1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising, < fallingSwitching condition  
open/ closed; on/ mute, etcSignal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

## Inspector

Name:

Svec Jozef

Date:

10.3.06

Company:

Regula kositice r.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 721

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 721

till:

DPS 3.4.7

Accompanying circuit diagram:

D9772 705-1 1245

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

## Inspector

Name:

Svec Jozef

Date:

10.3.06

Company:

Zegula koiice a.s.

Signature:

(Stamp)



AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 736

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 200 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-heightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 77 736
		til: DPS 3.4.7
	Accompanying circuit diagram:	D97 92 705-1/296
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	50 °C	8	
	3. <input type="checkbox"/>	50	100 °C	12	
	4. <input type="checkbox"/>	75	150 °C	16	
	5. <input type="checkbox"/>	100	200 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: Svec Loref	Date: 9.3.06
Company: Regula korine a.s.	Signature: [Signature]
	(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XT77 736

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125 gmm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

X 77 736

till:

DPS 3.4.4

Accompanying circuit diagram:

D7792705-1 / 247

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Svee Jozef

Date:

10.3.06


Company:

Degula kosice a.s.

Signature:

(Stamp)

SPEZ70EN.xls - 28.06.2003

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 77 737</b>	
				Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 200 °C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of		
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with		
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 77 737	
		till:	DPS 3.4.7	
	Accompanying circuit diagram:	D97 92 705-1 / 248		
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0 °C	4	
	2. <input type="checkbox"/>	25	50 °C	8	
	3. <input type="checkbox"/>	50	100 °C	12	
	4. <input type="checkbox"/>	75	150 °C	16	
	5. <input type="checkbox"/>	100	200 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks					
---------	--	--	--	--	--

Inspector	
Name: <b>Svee Iord</b>	Date: <b>9.3.06</b>
Company: <b>Dequila bosica a.s.</b>	Signature: 

(Stamp) SPEZ770EN.xls 16.05.1993





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: GT 77 738

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 0,625  $\mu m$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GT 77 738

till:

DPS 3.4.3

Accompanying circuit diagram:

D7772 205-1 1249

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Giac. Josef

Date:

10.3.06

Company:

Zagala Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 738

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 738

till:

DPS 3. 4. 7

Accompanying circuit diagram:

D97 92 705-11 251

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

10°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Jozef

Date:

9.3.06

Company:

Regula kotice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 77 738

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125 mm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XT 77 738

till:

DPS 3.4.4

Accompanying circuit diagram:

D 97 92 205 - 1 / 252

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Sáček Jozef

Date:

10.3.06

Company:

Dagula košice a.s

Signature:

(Stamp)

SPEZ7705M VLS - 05.01.2003

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 739

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 77 739

till:

DPS 3.4.9

Accompanying circuit diagram:

D 97 92 705.1 / 253

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Loref

Date:

9.3.06

Company:

Dagula Kosić a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 77740</b>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <b>0 - 200°C</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Loop check carried out		from: <b>TE 77740</b>			
		till: <b>DPS 3.4.7</b>			
		Accompanying circuit diagram: <b>D 9792705-1 / 254</b>			
		Accompanying junction box diagram:			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0°C	4	
	2. <input type="checkbox"/>	25	50°C	8	
	3. <input type="checkbox"/>	50	100°C	12	
	4. <input type="checkbox"/>	75	150°C	16	
	5. <input type="checkbox"/>	100	200°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			
Remarks					
<b>Inspector</b>					
Name: <b>Svee Josef</b>			Date: <b>9.3.08</b>		
Company: <b>Regula Kosice a.s.</b>			Signature:		
			(Stamp)		

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 77 740

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 125 $\mu m$

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	XT 77 740
		till:	DPS 3.4.4
	Accompanying circuit diagram:	D 97 92 305-1 / 1255	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising, < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

**Inspector**

Name:

Spec 1001

Date:

10.2.06

Company:

Dequla toice 9.5

Signature:

(Stamp)





AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77741

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77741

till:

DPS 3.4.7

Accompanying circuit diagram:

D97 92 705-1/256

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0°C

4

2. ☐

25

50°C

8

3. ☐

50

100°C

12

4. ☐

75

150°C

16

5. ☐

100

200°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Loez

Date:

9.3.06

Company:

Regula kosice a.s.

Signature:

Svee

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77 742

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77 742

till:

DPS 3.4.8

Accompanying circuit diagram:

D 77 92 705.1 / 758

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

10 °C

8

3. ☐

50

100 °C

12

4. ☐

75

100 °C

16

5. ☐

100

200 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Sven Loref

Date:

9.3.06

Company:

Regula kosice a.s.

Signature:

Sven

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 77 742

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 125 mm

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	XT 77 742
		till:	DPS 3.4.4
	Accompanying circuit diagram:	D97 92 705-1 1259	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising, < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

## Inspector

Name:

Svee Jozel

Date:

10.3.06

Company:

2equa kosice a.s.

Signature:

(Stamp)

SPE770EN VLS 25.05.1993



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: GT 77 743

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 0,625 g/m<sup>3</sup>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GT 77 743

till:

DPS 3.4.3

Accompanying circuit diagram:

D 97 92 705 -1 1 260

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

10. 3. 06

Company:

Dagula Posice a.s.

Signature:

(Stamp)

SPE770EN.xls 05.05.2003



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 77 743</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 150 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 77 743</i>
		till: <i>DPS 3.2.8</i>
	Accompanying circuit diagram:	<i>D9792 705-1 / 153</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>0 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>75 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>150 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector	
Name: <i>Štef Jozef</i>	Date: <i>14.3.06</i>
Company: <i>Regula točnice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp)      SPEZ70EN.XLS    65.65.1000

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PSL 77 753</i>	
		Project: _____ Designation: _____		Project-No.: _____	
				Page: _____ of: _____	
				Combination with Tag-No.: _____	

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<i>1,8 bar</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>PSL 77 753</i>
		till:	<i>DPS 3.4-10</i>
	Accompanying circuit diagram:		<i>D97 92 705 - 1 / 262</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>	<i>CLOSE</i>	<i>OK</i>
	4. <input type="checkbox"/> LL		<		


  

Remarks		
---------	--	--

Inspector	
Name: <i>Svec Jozef</i>	Date: <i>15.3.06</i>
Company: <i>Regula kosice a.s.</i>	Signature:  (Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TSH 77 810</i>	
				Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TSH 77 810</i>
		till: <i>DPS 3. 4. 10</i>
	Accompanying circuit diagram:	<i>D97 92 705-1 / 263</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	CN	OK
	3. <input type="checkbox"/> L		>	OFF	OK
	4. <input type="checkbox"/> LL		>		

Remarks		
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<b>Inspector</b>	
Name: <i>Löc Jozef</i>	Date: <i>13. 3. 06</i>
Company: <i>Regula Košice a.s.</i>	Signature: 

(Stamp) SPEZ-GEN-YS-2004-001



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: LGS 77813

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LGS 77813

till:

DPS 3.4.10

Accompanying circuit diagram:

D 9792 105-1 / 264

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

OFF

OK

3.

☐

L

&lt;

4.

☐

LL

&lt;

Remarks

## Inspector

Name:

Sven Loefer

Date:

13.3.06

Company:

Regula Koivice a.s.

Signature:

(Stamp)

SPEZ770EN.xls





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TSH 77 815

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

TSH 77 815

till:

DPS 3.4.10

Accompanying circuit diagram:

D 97 92 705-1 / 265

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Svein Loref

Date:

12.3.06

Company:

Regula Kosić a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PD15 77846

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out

from:

PD15 77846

till:

DPS 3.4.10

Accompanying circuit diagram:

D92 92 705-1 / 268

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

## Inspector

Name:

Sven Kozel

Date:

15.3.06

Company:

Regula Kosice a.s.

Signature:

Sven

(Stamp)

SPEZ770EN.xls



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 77854

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-4 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 77854

till:

DPS 3.4.4

Accompanying circuit diagram:

D9792705-1 1267

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

**Inspector**

Name:

Svec Jozef

Date:

8.3.06

Company:

Dagula kosice a.s.

Signature:

(Stamp)

SPEZ70EN VLS 05.05.1999



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 77854.1

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 77854.1

till:

DPS 3.4. P

Accompanying circuit diagram:

D9792705-1 1268

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

0 °C

4

2.

☐

25

25 °C

8

3.

☐

50

50 °C

12

4.

☐

75

75 °C

16

5.

☐

100

100 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

10.3.06

Company:


Regula Koice a.s

Signature:

(Stamp)

SPEZ70EN.XLS 26.05.1003



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: HZ 92 001	
				Project-No.:	
		Project:		Page: of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: HZ 92 001
		till: DPS 3.1.11
	Accompanying circuit diagram:	D9292 705.1 / 270
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

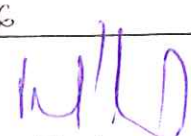
  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	ON	OK
	3. <input type="checkbox"/> L		>	OFF	OK
	4. <input type="checkbox"/> LL		>		

Remarks		
---------	--	--

<b>Inspector</b>	
Name: Valiko Stefan	Date: 12.3.06
Company: Zogula Kosice a.s.	Signature: 

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 20001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 30 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 20001

till:

DPS 2.1.4

Accompanying circuit diagram:

C9792 705-1 / 45

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svéc Josef

Date:

22.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 20001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 150 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

FT 20001

till:

DPS 2.1.3

Accompanying circuit diagram:

C 9792 705-1 / 44

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Srećer Jozef

Date:

22.3.06

Company:

Regula kosice a.s

Signature:

(Stamp)

SPEZ70EN.xls 35.05.1999





**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 20001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	FV 20001
		till:	DPS 2.1.12
	Accompanying circuit diagram:	C 77 92 705.1 / 44	
	Accompanying junction box diagram:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit.	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name:

Svec 1024

Date:

16.2.06

Company:

Dagala Wroclaw a.s.

Signature:

(Stamp)

SPE271EN.XLS - 30.06.2005



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-50 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 20001

till:

DPS 2.2.4

Accompanying circuit diagram:

C9792705.1/46

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-50 °C

4

2.

☐

25

-25 °C

8

3.

☐

50

0 °C

12

4.

☐

75

+25 °C

16

5.

☐

100

+50 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sören Lorez

Date:

23.3.06

Company:

Dogula Industrie GmbH

Signature:

(Stamp)



 <b>AIR LIQUIDE</b>  <b>AGS</b>		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: <i>UV 20 002</i> Project-No.: Page:                      of:		
		Project:				Designation:		Combination with Tag-No.:
Actor	Kind of actor:				Accessory:		Accessory:	
	Manufacturer:							
	Model number:							
	Total range:		<i>OPEN - CLOSED</i>					
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of                      -open gateway				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	tightness				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- installation material as specified				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with                      -VDE				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	-IEC / IS				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	-BGV-A2 (formerly VGB4)				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
Wiring	Loop check carried out                      from: <i>UV 20 002</i>							
					till: <i>DPS 2.1.12</i>			
	Accompanying circuit diagramm: <i>C97 92 705.1/47</i>							
	Accompanying junction box diagramm:							
Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:		% Stroke ACTUAL	
	1. <input type="checkbox"/>	0	4	0,2				
	2. <input type="checkbox"/>	25	8	0,4				
	3. <input type="checkbox"/>	50	12	0,6				
	4. <input type="checkbox"/>	75	16	0,8				
	5. <input type="checkbox"/>	100	20	1,0				
	6. <input type="checkbox"/>	75	16	0,8				
	7. <input type="checkbox"/>	50	12	0,6				
	8. <input type="checkbox"/>	25	8	0,4				
	9. <input type="checkbox"/>	0	4	0,2				
Moving	0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:	
			<i>OK</i>		<i>OK</i>			
Remarks								
Inspector								
Name: <i>Švec Josef</i>				Date: <i>30.3.08</i>				
Company: <i>Regula kosiace a.s.</i>				Signature:				

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20004

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

200 + 50°C

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from:	TE 20004
	till:	DPS 2.2.6
Accompanying circuit diagram:		C9792705-1 / 4P
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	- 200°C	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	- 75°C	12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	+ 50°C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name:

Cien Jozef

Date:

25.3.06

Company:

Degula kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FK 20005

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with  
- VDE☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FK 20005

till:

DPS 2.1.9.

Accompanying circuit diagramm:

C9792705.1/49

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

6

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sören Doreif

Date:

30.3.06

Company:

Regula Kärcher G.S.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 20005

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 16.75 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 20005

till:

DPS 2.1.3

Accompanying circuit diagram:

C9792 705-1 / 49

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Sören Jozef

Date:

22.3.06

Company:

Legula Kosić a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 20005

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-250 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 20005

till:

DPS 2.1.5

Accompanying circuit diagram:

C9792 705.1 / IV

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svea Loref

Date:

22.3.06

Company:

Regula kosice a.s.

Signature:

Svea

(Stamp)

SPEZ70EN.XLS 31.05.2003

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 20005	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	-50 + 50°C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 20005
		till: DPS 2.2.4
	Accompanying circuit diagram:	097 92 705-1 / 57
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	-50°C	4	
	2. <input type="checkbox"/>	25	-25°C	8	
	3. <input type="checkbox"/>	50	0°C	12	
	4. <input type="checkbox"/>	75	+25°C	16	
	5. <input type="checkbox"/>	100	+50°C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
---------	--	--

Inspector	
Name: <i>Soïc 1024f</i>	Date: 30.3.06
Company: <i>Doque loisee a.s.</i>	Signature: <i>[Signature]</i> (Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: FK 20006  Project-No.:  Page:                      of:	
		Project:  Designation:				Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100% OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of                      -open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with                      -VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	FK 20006
		till:	DPS 2.1.9
	Accompanying circuit diagramm:	C97 92705.1/52	
	Accompanying junction box diagramm:		

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	6	0
	2. <input type="checkbox"/>	25	8	0,4	8	25
	3. <input type="checkbox"/>	50	12	0,6	12	50
	4. <input type="checkbox"/>	75	16	0,8	16	75
	5. <input type="checkbox"/>	100	20	1,0	20	100
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

**Inspector**  
 Name: *Coec 10ref*  
 Company: *Regula kotice a.s.*

Date: *30.3.06*  
 Signature: *[Signature]*  

(Stamp)

<div>AIR LIQUIDE</div> <div>AGS</div>		Check Sheet of Sensors Proof of Calibration and Checking of Sensors		TAG - No.: TE 20006	
		Project:		Project-No.:	
		Designation:		Page:                  of: Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: -200 + 50 °C				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	Loop check carried out			from: TE 2000C	
				till: DPS 2.2.4	
	Accompanying circuit diagram:			C9792 705-1	153
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	-200 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	-75 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	+50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, or/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
Remarks	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Inspector			Date:		
Name: Svec Jozef			23.3.06		
Company: Dogula Lojice a.s.			Signature:		
			(Stamp)		



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 20007*

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*-200 + 50°C*

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

- |                                    |                        |
|------------------------------------|------------------------|
| Loop check carried out             | from: <i>TE 20007</i>  |
|                                    | till: <i>DPS 2.2.4</i> |
| Accompanying circuit diagram:      | <i>09792708.1 / 54</i> |
| Accompanying junction box diagram: |                        |

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	<i>-200°C</i>	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	<i>-75°C</i>	12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	<i>+50°C</i>	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name:

*Svec Iozef*

Date:

*23.3.06*


Company:

*Regula Koice a.s.*

Signature:

*[Signature]*

(Stamp)

AGS		Check Sheet of Actuators Proof of Calibration and Checking of Control Valves		TAG - No.: TV 20 008			
				Project-No.:			
		Project:		Page:            of:			
		Designation:		Combination with Tag-No.:			
Actor	Kind of actor:			Accessory:	Accessory:		
	Manufacturer:						
	Model number:						
	Total range:	0 - 100 %					
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of process connection / piping of          -open gateway		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	thightness		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	- installation material as specified		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of the wiring in accordance with          -VDE		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	-IEC / IS		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	-BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
Wiring	Loop check carried out		from: TV 20 008				
			till: DPS 2.1.8				
	Accompanying circuit diagramm:		C97 92 705-1/55				
Actuator	Check points		% Stroke		Operating signal	% Stroke	
	Rated value		[mA] nominal [bar]	ACTUAL Unit:			ACTUAL
	1.	<input type="checkbox"/>	0	4	0,2	6	0
	2.	<input type="checkbox"/>	25	8	0,4	P	25
	3.	<input type="checkbox"/>	50	12	0,6	12	50
	4.	<input type="checkbox"/>	75	16	0,8	16	75
	5.	<input type="checkbox"/>	100	20	1,0	20	100
	6.	<input type="checkbox"/>	75	16	0,8		
	7.	<input type="checkbox"/>	50	12	0,6		
	8.	<input type="checkbox"/>	25	8	0,4		
Moving	0 - 100% Stroke		to OPEN		To CLOSED	Quick closing valve to safety position:	
Remarks							
Inspector							
Name: Doe Loef			Date: 28.3.06				
Company: Deque koenig & s.			Signature:  (Stamp) CDF Z34EN YLS - 25.05.1623				



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 20008*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*-200 +50°C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 20008*

till:

*DPS 2.2.4*

Accompanying circuit diagram:

*C9792705-1 / 55*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

*-200°C*

4

2. ☐

25

8

3. ☐

50

*-75°C*

12

4. ☐

75

16

5. ☐

100

*+50°C*

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*Čovec Jozef*

Date:

*23.3.06*

Company:

*Regula kosice a.s.*

Signature:

*[Signature]*

(Stamp)

SPZT-CEN-VLS-26.05.2004



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20009

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

 $-200 + 50^{\circ}\text{C}$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 20009

till:

DPS 2.2.4

Accompanying circuit diagram:

C97 92 705-1 / 56

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

 $-200^{\circ}\text{C}$ 

4

2. ☐

25

8

3. ☐

50

 $-75^{\circ}\text{C}$ 

12

4. ☐

75

16

5. ☐

100

 $+50^{\circ}\text{C}$ 

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

Remarks

Inspector

Name:

S. Jozef

Date:

23.3.06

Company:

Regula tošice a.s.

Signature:

(Stamp)

SPEZ70EN.XLS 16.05.2003



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20010

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

 $-200 + 50^{\circ}\text{C}$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 20010

till:

DPS 2.2.5

Accompanying circuit diagram:

C97 92 705-1 / 57

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

 $-200^{\circ}\text{C}$ 

4

2. ☐

25

8

3. ☐

50

 $-75^{\circ}\text{C}$ 

12

4. ☐

75

16

5. ☐

100

 $+50^{\circ}\text{C}$ 

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Göncü İzzet

Date:

23.3.06

Company:

Değirli Köyü a.ş.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 20011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of -open gateway☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FV 20011

till:

DPS 2.1.12

Accompanying circuit diagramm:

C9292205.1 / 58

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Giac 102ef

Date:

30.1.06

Company:

Doğula Kısıca a.ş.

Signature:

(Stamp)

SPE771EN.xls



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 20011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100 %		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	FV 20011
		till:	DPS 2.1.9
	Accompanying circuit diagramm:	C9292705.1 / 58	
	Accompanying junction box diagramm:		

Actuator	Check points	% Stroke	Operating signal			% Stroke
		Rated value	[mA] nominal	[bar]	ACTUAL Unit:	ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	4	0
	2. <input type="checkbox"/>	25	8	0,4	8	25
	3. <input type="checkbox"/>	50	12	0,6	12	50
	4. <input type="checkbox"/>	75	16	0,8	16	75
	5. <input type="checkbox"/>	100	20	1,0	20	100
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2			

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Svec Iozef

Date:

30.3.06

Company:

Regula kotice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 20 011

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 250 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of - open gateway☐ OK☐ not OK

- tightness

☐ OK☐ not OK

- mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 20 011

till:

DPS 2.1.3

Accompanying circuit diagram:

C97 92 705-1 / 58

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute, etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

## Inspector

Name:

Svec Loref

Date:

22.3.06

Company:

Regula Koice s.r.o.

Signature:

Svec

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 20 011

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-40 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 20 011

till:

DPS 2.1.5

Accompanying circuit diagram:

C9792705-1 / 59

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

22.3.08

Company:

Regula kotice a.s.

Signature:

(Stamp)

SPEZ70EN.XLS 22.03.2008



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-50 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 20011

till:

DPS 2.2.5

Accompanying circuit diagram:

C9792705-7/60

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-50°C

4

2.

☐

25

-25°C

8

3.

☐

50

0°C

12

4.

☐

75

+25°C

16

5.

☐

100

+50°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed, on / mute, etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Svec Josef

Date:

23.3.08

Company:

Regula kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 20012

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: FV 20012
		till: DPS 2.1.12
	Accompanying circuit diagramm:	C9792705.1/61
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		Ok	Ok	

Remarks	
---------	--

**Inspector**

Name:

Svee Iozef

Date:

30.3.06

Company:

Bozuka Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 20012

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of -open gateway☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with -VDE☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FV 20012

till:

DPS 2.4.9

Accompanying circuit diagramm:

C9792705.1/67

Accompanying junction box diagramm:

Actuator

Check points

% Stroke  
Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke  
ACTUAL

1.

☐

0

4

0,2

11

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Cvetko Tozef

Date:

30.3.06

Company:



Regula Kosić a.s.


Signature:

(Stamp)

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		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 20 023</b>	
		Project-No.: Page:                      of:			
Project:		Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <b>- 50 + 50 °C</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	Loop check carried out from: <b>TE 20 023</b>				
	till: <b>DPS 2.2.5</b>				
	Accompanying circuit diagram: <b>097 92 705-1 / 62</b>				
Accompanying junction box diagram:					
Transmitter	Check points	%	Value Unit:	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 50 °C	4	
	2. <input type="checkbox"/>	25	- 25 °C	8	
	3. <input type="checkbox"/>	50	0 °C	12	
	4. <input type="checkbox"/>	75	+ 25 °C	16	
	5. <input type="checkbox"/>	100	+ 50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	9. <input type="checkbox"/>	0		4	
	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc	
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: <b>Štefan Loreň</b>			Date: <b>27.3.06</b>		
Company: <b>Regula Kosice a.s.</b>			Signature: 		
			(Stamp)		

 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 20 025</i>	
		Project:		Project-No.:	
		Designation:		Page:                      of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>- 50 + 50 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 20 025</i>
		till: <i>DPS 2.1.5</i>
	Accompanying circuit diagram:	<i>C9792705-1 / 64</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>-50</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>0</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+50</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Sven Lof</i>	Date: <i>28.3.06</i>
Company: <i>Logula Koice a.s.</i>	Signature: <i>[Signature]</i>

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**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: UK 2002 G

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: UK 2002 G
		till: DPS 2.1.12
	Accompanying circuit diagramm:	C9792705-1167
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
		[mA] nominal	[bar]	
1. <input type="checkbox"/>	0	4	0,2	
2. <input type="checkbox"/>	25	8	0,4	
3. <input type="checkbox"/>	50	12	0,6	
4. <input type="checkbox"/>	75	16	0,8	
5. <input type="checkbox"/>	100	20	1,0	
6. <input type="checkbox"/>	75	16	0,8	
7. <input type="checkbox"/>	50	12	0,6	
8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2	

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks

**Inspector**

Name:

Sven Sief

Date:

30.3.06

Company:

Regula Korte a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **GOH 20026**Project-No.: **COL**

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

**OPEN - CLOSED**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

**GOH, COL 20026**

till:

**DP5 2.1.11**

Accompanying circuit diagram:

**C9792705-1/67**

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

OPEN

OK

2. ☐ H

&gt;

CLOSED

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

**Goce Juref**

Date:

**31.3.06**

Company:

**Regula Kosić a.s.**

Signature:

**[Signature]**

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20 026

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 50 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 20 026

till:

DPS 2.1.5-705-1 / 68

Accompanying circuit diagram:

C97 92 705-1 / 68

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

- 10°C

4

2.

☐

25

8

3.

☐

50

0°C

12

4.

☐

75

16

5.

☐

100

+ 50°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etcSignal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sveć Iorif

Date:

28.3.06

Company:

Dogača lošice a.s.

Signature:

Sveć Iorif

(Stamp)

		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves						TAG - No.: UK 20027			
AGS		Project:						Page:           of:			
		Designation:						Combination with Tag-No.:			
Actor	Kind of actor:						Accessory:		Accessory:		
	Manufacturer:										
	Model number:										
	Total range:		0 - 100%								
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check on technically right mounting						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of process connection / piping of       -open gateway						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	tightness						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> - installation material as specified						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check of the wiring in accordance with       -VDE						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	-IEC / IS						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	-BGV-A2 (formerly VGB4)						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
	<input type="checkbox"/> Check on compliance of explosion proof approvals						<input type="checkbox"/> OK <input type="checkbox"/> not OK				
Wiring	Loop check carried out    from: UK 20027										
	till: DPS 2.1.10										
	Accompanying circuit diagramm: C97 92 705-1 / G9										
	Accompanying junction box diagramm:										
Actuator	Check points		% Stroke		Operating signal			% Stroke			
			Rated value		[mA]	nominal	[bar]	ACTUAL Unit:		ACTUAL	
	1.	<input type="checkbox"/>	0		4		0,2	y		0	
	2.	<input type="checkbox"/>	25		8		0,4	P		25	
	3.	<input type="checkbox"/>	50		12		0,6	12		50	
	4.	<input type="checkbox"/>	75		16		0,8	16		75	
	5.	<input type="checkbox"/>	100		20		1,0	20		100	
	6.	<input type="checkbox"/>	75		16		0,8				
	7.	<input type="checkbox"/>	50		12		0,6				
	8.	<input type="checkbox"/>	25		8		0,4				
9.	<input type="checkbox"/>	0		4		0,2					
Moving	0 - 100% Stroke		to OPEN			To CLOSED			Quick closing valve to safety position:		
Remarks											
Inspector											
Name: Sören Jorek						Date: P.3.08					
Company: Regula Koirer a.s.						Signature: [signature] (Stamp)					



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 20 027</b>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:					
	Manufacturer:					
	Model number:					
	Range adjusted at:	-50 + 50 °C				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 20 027</b>
		till: <b>DPS 1.1.3</b>
	Accompanying circuit diagram:	<b>997 92 708-1 / 171</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	-50 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	0 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	+50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
---------	--	--

<b>Inspector</b>	
Name: <b>Quoc Loc</b>	Date: <b>28.5.06</b>
Company: <b>Regalia Koice a.s.</b>	Signature:
(Stamp)	

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 20 028</i>	
		Project: _____		Project-No.: _____	
Designation: _____		Page: _____ of: _____		Combination with Tag-No.: _____	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>- 50 + 50 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 20 028</i>
		till: <i>DPS 2.1.3</i>
	Accompanying circuit diagram:	<i>09792708-1 177</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>-50 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>0 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks		
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Inspector	
Name: <i>Spice Lortz</i>	Date: <i>28.3.06</i>
Company: <i>Regula Koice a.s.</i>	Signature: <i>[Signature]</i> (Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 20029

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-50 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 20029

till:

DPS 2.2.9

Accompanying circuit diagram:

C97 92 705-1 175

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

-50 °C

4

2. ☐

25

8

3. ☐

50

0 °C

12

4. ☐

75

16

5. ☐

100

+50 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Lorel

Date:

28.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

CNCZ-05N-VLC-01-01-001

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 21002

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 6 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from: PT 21002

till: DPS 2.1.5

Accompanying circuit diagram: C97 92 700-1 / 78

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

**Inspector**

Name:

Svec Josef

Date:

12.3.06

Company:



Regula tošice a.s.

Signature:

(Stamp)

SPEZ770EN v1.0 05.05.2003



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>LT 21 003</i>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>5.403 - 295.777 mbar</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: <i>LT 21003</i> till: <i>DPS 2.1.4</i> Accompanying circuit diagram: <i>C9792 705-1 / 79</i> Accompanying junction box diagram:				
Transmitter	Check points	%	Value Unit:	Output signal RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	
Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
			>		
Remarks					
Inspector					
Name: <i>Sven Juref</i>			Date: <i>22.3.06</i>		
Company: <i>Regula Kosice a.s.</i>			Signature: 		
			(Stamp)		

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: <u>LV 21003</u> Project-No.: Page:                      of:		
		Project: Designation:				Combination with Tag-No.:		
Actor	Kind of actor:				Accessory:		Accessory:	
	Manufacturer:							
	Model number:							
	Total range:		<u>0 - 100 %</u>					
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of                      -open gateway				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	tightness				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- installation material as specified				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with                      -VDE				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	-IEC / IS				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	-BGV-A2 (formerly VGB4)				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals				<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
Wiring	Loop check carried out                      from: <u>LV 21003</u>							
	till: <u>DPS 2.1.8</u>							
	Accompanying circuit diagramm: <u>C9292708.1 / 79</u>							
	Accompanying junction box diagramm:							
Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL		
	1. <input type="checkbox"/>	0	4	0,2	<u>4</u>	<u>0</u>		
	2. <input type="checkbox"/>	25	8	0,4	<u>8</u>	<u>25</u>		
	3. <input type="checkbox"/>	50	12	0,6	<u>12</u>	<u>50</u>		
	4. <input type="checkbox"/>	75	16	0,8	<u>16</u>	<u>75</u>		
	5. <input type="checkbox"/>	100	20	1,0	<u>20</u>	<u>100</u>		
	6. <input type="checkbox"/>	75	16	0,8				
	7. <input type="checkbox"/>	50	12	0,6				
	8. <input type="checkbox"/>	25	8	0,4				
	9. <input type="checkbox"/>	0	4	0,2				
Moving	0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:	
Remarks								
<b>Inspector</b> Name: <u>Cvec Jozef</u> Date: <u>28.3.06</u> Company: <u>Legula Kosice a.s.</u> Signature: <u>[Signature]</u> <div style="text-align: right;">(Stamp)</div>								



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PDT 21003</i>	
				Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0.. 300 mbar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PDT 21003</i>
		till: <i>DPS 2.1.6</i>
	Accompanying circuit diagram:	<i>C9792 J05-1 / 80</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal
			Unit:	
	1. <input type="checkbox"/>	0		RATED [mA]      ACTUAL [mA]
	2. <input type="checkbox"/>	25		4                      4
	3. <input type="checkbox"/>	50		8                      8
	4. <input type="checkbox"/>	75		12                     12
	5. <input type="checkbox"/>	100		16                     16
	6. <input type="checkbox"/>	75		20                     20
	7. <input type="checkbox"/>	50		16
	8. <input type="checkbox"/>	25		12
9. <input type="checkbox"/>	0		8	
			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks	
---------	--

Inspector	
Name: <i>Soe Jozef</i>	Date: <i>22.3.06</i>
Company: <i>Regula</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 21006

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

HV 21006

till:

DPS 2.1.10

Accompanying circuit diagramm:

C9292705.1/84

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Svee 1021

Date:

28.3.06

Company:

Regula losice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 21006

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-200 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 21006

till:

DPS 2.2.5

Accompanying circuit diagram:

C97 92 705.1 / p2

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-200 °C

4

2.

☐

25

8

3.

☐

50

-75 °C

12

4.

☐

75

16

5.

☐

100

+50 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svec Jozef

Date:

30.3.06

Company:

Legula Koice a.s.

Signature:

(Stamp)

 <b>AIR LIQUIDE</b>  <b>AGS</b>		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <u>HV 21014</u>		
		Project: _____		Project-No.: _____		
Designation: _____		Page: _____ of: _____		Combination with Tag-No.: _____		
Actor	Kind of actor:			Accessory:	Accessory:	
	Manufacturer:					
	Model number:					
	Total range:	<u>0 - 100 %</u>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- open gateway		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	tightness		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- installation material as specified		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- VDE		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
Wiring	- IEC / IS		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	- BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK		<input type="checkbox"/> not OK	
Loop check carried out		from: <u>HV 21014</u>				
		till: <u>DPS 2.1.10</u>				
		Accompanying circuit diagram: <u>C97 92 205.1 / P3</u>				
		Accompanying junction box diagram:				
Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	4	0
	2. <input type="checkbox"/>	25	8	0,4	8	25
	3. <input type="checkbox"/>	50	12	0,6	12	50
	4. <input type="checkbox"/>	75	16	0,8	16	75
	5. <input type="checkbox"/>	100	20	1,0	20	100
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		
Moving	0 - 100% Stroke		to OPEN		To CLOSED	Quick closing valve to safety position:
Remarks						
Inspector			Date:			
Name: <u>C. V. e. Jozef</u>			28.3.06			
Company: <u>Regula Koice a.s.</u>			Signature: <u>[Signature]</u> (Stamp)			



 <b>AIR LIQUIDE</b>  <b>AGS</b>		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <i>LV 21060</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:		Accessory:	
	Model number:			
	Total range:	<i>0 - 100 %</i>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of                      -open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with                      -VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>LV 21060</i>
		till: <i>DPS 2.4.8</i>
	Accompanying circuit diagram:	<i>C77 92 705.1 / 89</i>
	Accompanying junction box diagram:	

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
	2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
	3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
	4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
	5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

**Inspector**  
 Name: *E. Vec lord*  
 Company: *Regula Kosice a.s.*

Date: *28.8.06*  
 Signature: *[Signature]*  

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: LT 21060

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

3.166 - 8.989 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

LT 21060

till:

DPS 2.1.4

Accompanying circuit diagram:

C97 92 205.1 / 89

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svea Korp

Date:

23.3.06

Company:

Dagula Kosiice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: LT 22001

Project-No.:

Page: of:

Project:  
Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	2.71 - 752.847 mbar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LT 22001
		to: DPS 2.1.4
	Accompanying circuit diagram:	C9792705.1 / PS
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	Unit:	4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

Inspector	
Name: Svec Jozef	Date: 22.3.06
Company: Regula Koice a.s.	Signature:
	(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 22001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSED		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	LV 22001
		till:	DPS 2.1.12
	Accompanying circuit diagramm:	C9792705-1 / PC	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name:

Göçer İzzet

Date:

18.4.06

Company:

Regula Kocice a.s.

Signature:

(Stamp)



		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: LV 22 004  Project-No.:  Page:                      of:				
		Project:		Designation:				
Actor		Kind of actor:		Accessory:				
		Manufacturer:						
		Model number:						
		Total range:		0-100%				
Installation		<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		<input type="checkbox"/> Check of process connection / piping of                      -open gateway		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		tightness		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		- installation material as specified		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		<input type="checkbox"/> Check of the wiring in accordance with                      -VDE		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		-IEC / IS		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		-BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
Wiring		<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK <input type="checkbox"/> not OK				
		Loop check carried out                      from: LV 22004						
		till: DPS 2.1.8						
		Accompanying circuit diagram: C9792708.1 / 86						
		Accompanying junction box diagram:						
Actuator		Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL	
		1. <input type="checkbox"/>	0	4	0,2	4	0	
		2. <input type="checkbox"/>	25	8	0,4	8	25	
		3. <input type="checkbox"/>	50	12	0,6	12	50	
		4. <input type="checkbox"/>	75	16	0,8	16	75	
		5. <input type="checkbox"/>	100	20	1,0	20	100	
		6. <input type="checkbox"/>	75	16	0,8			
		7. <input type="checkbox"/>	50	12	0,6			
		8. <input type="checkbox"/>	25	8	0,4			
		9. <input type="checkbox"/>	0	4	0,2			
Moving		0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:
Remarks								
<b>Inspector</b> Name: <i>Sven Loref</i> Date: 18.4.06 Company: <i>Logica toivce as.</i> Signature: <i>[Signature]</i> (Stamp)								



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: PT22001

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 600 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 22001

till:

DPS 2.1.5

Accompanying circuit diagram:

C9792705.1 / 87

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sve - 1024

Date:

22.3.06

Company:

Dagula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 22001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PDT 22001

till:

DPS 2.1.6

Accompanying circuit diagram:

C9992708.1 / 88

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed, on / mute, etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Loref

Date:

22.7.08

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 22030

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: LV 22030
		till: DPS 2.1.8
	Accompanying circuit diagramm:	C9792705.1/87
	Accompanying junction box diagramm:	

Actuator	Check points	% Stroke		Operating signal			% Stroke	
		Rated value	[mA] nominal	[bar]	ACTUAL Unit:		ACTUAL	
	1. <input type="checkbox"/>	0	4	0,2	4		0	
	2. <input type="checkbox"/>	25	8	0,4	8		25	
	3. <input type="checkbox"/>	50	12	0,6	12		50	
	4. <input type="checkbox"/>	75	16	0,8	16		75	
	5. <input type="checkbox"/>	100	20	1,0	20		100	
	6. <input type="checkbox"/>	75	16	0,8				
	7. <input type="checkbox"/>	50	12	0,6				
	8. <input type="checkbox"/>	25	8	0,4				
	9. <input type="checkbox"/>	0	4	0,2				

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

## Inspector

Name:

Spec Lord

Date:

28.3.06

Company:

Regula Koiree e.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: LT 22011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0.626 - 173.895 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LT 22011

till:

DPS 2.1.4

Accompanying circuit diagram:

C97 92708.1 / 90

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sree Jozef

Date:

22.3.06

Company:

Doqula kosice a.s.

Signature:

Sree

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 22 011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 22 011

till:

DPS 2. 1. 11

Accompanying circuit diagram:

C97 92705.1 / 91

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svea Lorel

Date:

31. 3. 06

Company:

Kogula Koice a.s.

Signature:

Sam

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 22013

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FV 22013

till:

DPS 2.4.9

Accompanying circuit diagramm:

C7792705. 7/92

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sven Lorel

Date:

28.3.06

Company:

Regula Korte a.s.

Signature:

Sven Lorel

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 22013

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 22013

till:

DPS 2.1.3

Accompanying circuit diagram:

C9792708.1/92

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svrc 102ef

Date:

22.7.09

Company:

Regula Kosice a.s.

Signature:

(Stamp)







AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 22043

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 60 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 22043

till:

DPS 2.1.3

Accompanying circuit diagram:

C9792705.1 / 93

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sven Loeuf

Date:

22.3.06

Company:

Regula Koice a.s.

Signature:

Sven

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 23013

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with  
-VDE☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FV 23013

till:

DPS 2.1.12

Accompanying circuit diagramm:

C9792205-1/95

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

## Inspector

Name:

Svee Jorlef

Date:

28.5.06

Company:

Regula kotice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 23013

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with  
- VDE☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FV 23 013

till:

DPS 2.1.10

Accompanying circuit diagramm:

C9792 205-1/95

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Josef Jozef

Date:

28.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 23 013

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 5000 Nm<sup>3</sup>/h

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 23 013

till:

DPS 2.1.4

Accompanying circuit diagram:

C97 92 205-1 / 95

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

0

4

2.

☐

25

12500

8

3.

☐

50

2500

12

4.

☐

75

37500

16

5.

☐

100

5000

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐ HH

&gt;

&lt;

2.

☐ H

&gt;

&lt;

3.

☐ L

&gt;

&lt;

4.

☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Loref

Date:

28.5.06

Company:

Regula kosiće a.s.

Signature:

Svee Loref

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23013

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 23013

till:

DPS 2.1.11

Accompanying circuit diagram:

C9792 705.1/96

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

OFF

OK

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Lore Josef

Date:

31.3.06


Company:

Regula Koice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 23 013</i>	
				Project-No.:	
		Project:		Page:            of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<i>- 200 + 50 °C</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>TE 23 013</i>
		till:	<i>DPS 2.2.5</i>
	Accompanying circuit diagram:		<i>C9792705-1/97</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>- 200 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>- 75 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+ 50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			

Remarks		
---------	--	--

<b>Inspector</b>	
Name: <i>Sveć Lovel</i>	Date: <i>23.3.06</i>
Company: <i>Regula Kosice a.s.</i>	Signature: 



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 23014

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-200 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 23014

till:

DPS 2.2.5

Accompanying circuit diagram:

C9792705.1/98

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

-200°C

4

2. ☐

25

8

3. ☐

50

-75°C

12

4. ☐

75

16

5. ☐

100

+50°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Svee Juref

Date:

23.3.06

Company:

Regula lošice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 23 011*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*- 200 + 50 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 23 011*

till:

*DPS 29 2.2.6*

Accompanying circuit diagram:

*C97 92 705-1/99*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

*- 200 °C*

4

2. ☐

25

8

3. ☐

50

*- 25 °C*

12

4. ☐

75

16

5. ☐

100

*+ 50 °C*

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

*Sven Loh*

Date:

*23.3.08*

Company:

*Regula Koice g.s.*


Signature:

*Sven*

(Stamp)

<div style="display: inline-block; vertical-align: middle; text-align: center;"> <b>AIR LIQUIDE</b>  <b>AGS</b> </div>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: FT 23 016	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: 0 - 5000 Nm <sup>3</sup> /h				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
Wiring	Loop check carried out		from: FT 23 016		
			till: DPS 2.4.4		
	Accompanying circuit diagram:		C9792 705-4 / 100		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0	4	
	2. <input type="checkbox"/>	25	1250	8	
	3. <input type="checkbox"/>	50	2500	12	
	4. <input type="checkbox"/>	75	3750	16	
	5. <input type="checkbox"/>	100	5000	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: Štećić Ljiljana			Date: 27.3.06		
Company: Dogača košice a.s.			Signature:  (Stamp)		



<div>AIR LIQUIDE</div> <div>AGS</div>		Check Sheet of Sensors		TAG - No.: Q 23 0 16	
		Proof of Calibration and Checking of Sensors		Project-No.:	
		Project:		Page: of:	
		Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: ON - OFF				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-open gateway		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-tightness		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-mounting material as specified		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
	-VDE		<input type="checkbox"/> OK		<input type="checkbox"/> not OK
Wiring			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK
		<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Loop check carried out		from: Q 23 0 16			
		till: DPS 2.1.11			
		Accompanying circuit diagram: Q 23 0 16			
		Accompanying junction box diagram: Q 23 0 16			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8		
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input / DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	ON	OK
	3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>			
Remarks					
Inspector					
Name: S. K. Kojice			Date: 31.3.06		
Company: Dogača Kojice a.s.			Signature: S. K. Kojice		

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 23 076

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%.

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LV 23 076

till:

DPS 2.1.8

Accompanying circuit diagram:

C9792205. / 103

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

9

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Cvici Josef

Date:

29.3.06

Company:

Regula Koice a.s.

Signature:

Cvici

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: HZ 24 100

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

HZ 24 100

till:

DPS 2.3.9

Accompanying circuit diagram:

C9792705.1 / 105

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

OFF

OK

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svec Josef

Date:

29.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)







AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: GL 24 101

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

GL 24 101

till:

DPS 2.3.9

Accompanying circuit diagram:

C9792 705.1/107

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

OPEN

OK

2. ☐ H

&lt;

CLOSE

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sree Ivel

Date:

30.3.08

Company:

Regula Koice

Signature:

(Stamp)

C9792 705.1/107

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 24 101

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 24 101

till:

DPS 2.3.3

Accompanying circuit diagram:

C92 92705.1 / 108

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svetlana

Date:

25.3.06

Company:

Loganica losice o.s.

Signature:

Svetlana

(Stamp)

CERTIFICATE



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24 101

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 70 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-heightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 24 101
		till: DPS 2.3.3
	Accompanying circuit diagram:	C9792 705-1 1 109
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L			>		
			<		
4. <input type="checkbox"/> LL			>		
			<		

Remarks	
---------	--

**Inspector**

Name: Luce Ioref

Date: 23.3.06

Company: Regula kotice g.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 101

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 100 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 101

till:

DPS 2.3.6

Accompanying circuit diagram:

C97 92 705-1 / 110

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

- 100°C

4

2.

☐

25

8

3.

☐

50

- 25°C

12

4.

☐

75

16

5.

☐

100

+ 50°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐ HH

&gt;

&lt;

2.

☐ H

&gt;

&lt;

3.

☐ L

&gt;

&lt;

4.

☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

S. L. Loref

Date:

29.3.06

Company:

Dagala Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24 102

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 24 102

till:

DPS 2.3.3

Accompanying circuit diagram:

C97 92 705-1 / 111

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Sören Loref

Date:

29.3.06

Company:

Logika Service a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 102

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 200 + 50 °C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

TE 24 102

till:

DPS 2.3.3

Accompanying circuit diagram:

COP 92 708-1 / 112

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	- 200 °C	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	- 75 °C	12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	+ 70 °C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Sveć Jorj

Date:

29.3.06

Company:

Dagala Košice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: GL 24 105

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GL 24 105

till:

DPS 3.2.09

Accompanying circuit diagram:

C97-92 205.1 19.13

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

OPEN

OK

2. ☐ H

&gt;

CLOSE

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Inspector

Name:

Sven Jorck

Date:

30.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 24105

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: HV 24105
		till: DPS 2.3.8
	Accompanying circuit diagramm:	C9792 705.1 / 113
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
		[mA] nominal	[bar]	
1. <input type="checkbox"/>	0	4	0,2	0
2. <input type="checkbox"/>	25	8	0,4	25
3. <input type="checkbox"/>	50	12	0,6	50
4. <input type="checkbox"/>	75	16	0,8	75
5. <input type="checkbox"/>	100	20	1,0	100
6. <input type="checkbox"/>	75	16	0,8	
7. <input type="checkbox"/>	50	12	0,6	
8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2	

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Söer 102f

Date:

30.3.06

Company:

Doğula korice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <i>CT 24 105</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<i>0 - 100%</i>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>CT 24 102</i>
		till:	<i>DPS 2.3.3</i>
	Accompanying circuit diagram:	<i>007 92 705.11 113</i>	
	Accompanying junction box diagram:		

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
	2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
	3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
	4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
	5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Inspector

Name: <i>Soňa Loref</i>	Date: <i>30.5.06</i>
Company: <i>Regula Koice a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24 107

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 70 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 24 107

till:

DPS 2.3.3

Accompanying circuit diagram:

C9792 705-1 / 114

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

6

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Sören Lohf

Date:

29.3.06

Company:

Dequela Industrie a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 120

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 50 + 150°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 120

till:

DPS 2.3.4

Accompanying circuit diagram:

C 9792 705-1 1.1.15

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

- 50

4

4

2. ☐

25

0

8

8

3. ☐

50

+ 50

12

12

4. ☐

75

+ 100

16

16

5. ☐

100

+ 150°C

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mule; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Sven Loeck

Date:

27. 3. 06

Company:

Logika boice r.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24.374

121

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 50 + 150 °C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -thightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

TE 24 241

till:

DPS 2.3.4

Accompanying circuit diagram:

C9292705-7 / 116

Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	-50	4	4
2. <input type="checkbox"/>	25	0	8	8
3. <input type="checkbox"/>	50	50	12	12
4. <input type="checkbox"/>	75	100	16	16
5. <input type="checkbox"/>	100	150	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

## Inspector

Name:

Cvet 1020f

Date:

19.3.06

Company:

Regula Iwice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24123

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-50 + 150°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24123

till:

DPS 2.3.7

Accompanying circuit diagram:

C9792705-1 / 117

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

-10

4

4

2. ☐

25

0

8

8

3. ☐

50

10

12

12

4. ☐

75

100

16

16

5. ☐

100

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Svee 1000

Date:

29.3.08


Company:

Regula Kosić a.s.

Signature:

Cini

(Stamp)

 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>S 24124</i>	
		Project:		Project-No.:	
		Designation:		Page:                      of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 50000 rpm</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>S 24124</i>	
		till:	<i>DPS 2.3.5</i>	
	Accompanying circuit diagram:	<i>C97 92 705-1 1/18</i>		
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Sven Lorez</i>	Date: <i>24.3.08</i>
Company: <i>Logica kosice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPE770EN.XLS - 06.05.1003



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: SH1, SL, SH2

Project-No.: SHH 24124

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of☐ OK ☐ not OK

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

SH1, SL, SH2, SHH 24124

till:

DPS 2.3.9

Accompanying circuit diagram:

C97 92705-1 / 11/8

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary Input DCS

1. ☐ HH

&gt;

OPEN

OL

2. ☐ H

&gt;

CLOSE

OL

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:



24.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>XT 24 124</b>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <b>0 - 125 g/m</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	Loop check carried out			from: <b>XT 24 124</b>	
				till: <b>DPS 2.3.5</b>	
	Accompanying circuit diagram:			<b>C 99 92 705-1 1.119</b>	
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
Inspector					
Name: <b>Soer Lorel</b>			Date: <b>24.3.06</b>		
Company: <b>Legula koirice a.s</b>			Signature: 		
			(Stamp)		



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 24141

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 2000 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PDT 24141

till:

DPS 2.3.3

Accompanying circuit diagram:

C97792705.1 / 110

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary Input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svee Kozel

Date:

24.5.06

Company:

Regula Kozice a.s.

Signature:

Svee Kozel

(Stamp)

<div style="text-align: center;"> <b>AIR LIQUIDE</b>  <b>AGS</b> </div>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>PT 24144</b>	
		Project: _____ Designation: _____		Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____	
Sensor	Kind of sensor: _____				
	Manufacturer: _____				
	Model number: _____				
	Range adjusted at: <b>0 - 25 bar</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS			<input type="checkbox"/> OK	<input type="checkbox"/> not OK
Wiring	Loop check carried out			from: <b>PT 24144</b>	
				till: <b>DPS 2.3.3</b>	
	Accompanying circuit diagram: <b>C97 92 705-1 1 A21</b>				
Accompanying junction box diagram: _____					
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			
Remarks					
Inspector			Date:		
Name: <b>Štefan Loref</b>			<b>24.3.06</b>		
Company: <b>Regula kóšice a.s.</b>			Signature:		
			(Stamp)		





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: LSL 24160

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LSL 24 160

till:

DPS 2.3.9

Accompanying circuit diagram:

C9772 705.1 / 122

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

ON

ON

3.

☐

L

&gt;

OFF

OFF

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sveta Liscak

Date:

29.5.06


Company:

Doprava kategorie a.s.

Signature:

Sveta Liscak

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TH 24160	
				Project-No.:	
		Project:		Page: of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	ON - OFF			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from:	TH 24160
		till:	DPS 2.3.9
	Accompanying circuit diagram:		C9292705.1 / 122A
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	ON	OK
	3. <input type="checkbox"/> L		>	OFF	OK
	4. <input type="checkbox"/> LL		>		

Remarks	
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<b>Inspector</b>	
Name: <i>Coen Lorent</i>	Date: 25.4.06
Company: <i>Regula lovice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPE770EN



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>THH 24160</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>ON - OFF</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>THH 24160</i>
		till:	<i>DPS 2.3.9</i>
	Accompanying circuit diagram:		<i>C9792705-1/122A</i>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	<i>ON</i>	<i>OK</i>
	3. <input type="checkbox"/> L		>	<i>OFF</i>	<i>OK</i>
	4. <input type="checkbox"/> LL		>		

Remarks	
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<b>Inspector</b>	
Name: <i>Sven Loref</i>	Date: <i>25.4.06</i>
Company: <i>Regula kotice a.s.</i>	Signature:

(Stamp) SRE270EN XLS - 01.05.1999



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 161

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 161

till:

DPS 2.3.6.

Accompanying circuit diagram:

C9792705-1 / 123

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 °C

4

2. ☐

25

25 °C

8

3. ☐

50

50 °C

12

4. ☐

75

75 °C

16

5. ☐

100

100 °C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Lore Jozef

Date:

12. 4. 06

Company:

Regula Koice a.s.

Signature:

Comi

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PSL 24/68

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PSL 24/68

till:

DPS 2.3.9.

Accompanying circuit diagram:

C97 92 705-1/125

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

ON

OK

3. ☐ L

&gt;

&lt;

OFF

DIC

4. ☐ LL

&gt;

&lt;

Remarks

## Inspector

Name:

Svec Iozef

Date:

29.3.06

Company:

Dagula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24169

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 6 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 24169

till:

DPS 2.3.3

Accompanying circuit diagram:

C97 92 705-1 / 126

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etcSignal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Luce Jozef

Date:

29.3.06

Company:

Regula kositice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24169

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 °C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: TE 24169  
till: DPS 2.3.7  
Accompanying circuit diagram: C9792705-1 / 127  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0 °C	4	
2. <input type="checkbox"/>	25	25 °C	8	
3. <input type="checkbox"/>	50	50 °C	12	
4. <input type="checkbox"/>	75	75 °C	16	
5. <input type="checkbox"/>	100	100 °C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Sven Lenz

Date:

12.4.06

Company:

Regula Lenz AG

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 171

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 171

till:

DPS 2.3.4

Accompanying circuit diagram:

C9792705.1 / 128

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svec Loup

Date:

29.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 173

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 173

till:

DPS 2.3.4

Accompanying circuit diagram:

C9792708-1 / 129

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

S. J. J. J.

Date:

29.3.06

Company:

Logica Posice e.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 175

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 °C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: TE 24 175  
till: DPS 2.3.4  
Accompanying circuit diagram: C97 72 705.1 / 130  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	4
2. <input type="checkbox"/>	25		8	8
3. <input type="checkbox"/>	50		12	12
4. <input type="checkbox"/>	75		16	16
5. <input type="checkbox"/>	100		20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name: Štefan Dozef

Date: 29.3.06

Company: Regula kóice a.s.

Signature:

(Stamp)

SPEZ70EN.YLS - 01.01.2004



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 24 176</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0-200°C</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-thightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: <i>TE 24 176</i> till: <i>DPS 2.3.4</i> Accompanying circuit diagram: <i>C9292 705-1 / 151</i> Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
Remarks	4. <input type="checkbox"/> LL		<		
	Remarks				
	Inspector: <i>Svee Loeuf</i> Date: <i>29.3.06</i>				
	Company: <i>Logula kosice a.s.</i> Signature: <i>[Signature]</i>				
	(Stamp)				

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 24 177</b>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 200 °C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 24 177	
		till:	DPS 2.3.4	
	Accompanying circuit diagram:	C97 92 705-1 / 132		
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks					
---------	--	--	--	--	--

Inspector	
Name: <i>S. K. K. K.</i>	Date: <i>29.3.08</i>
Company: <i>Logique Industrie G.S.</i>	Signature: <i>[Signature]</i>

(Stamp) SPEZ705N VLS



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: HZ 24 200

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	HZ 24 200
	till:	DPS 2.4.9
Accompanying circuit diagram:	C9792705.1 / 134	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

**Inspector**

Name:

Svea Loref

Date:

29.3.06

Company:

Regula Kocice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: U/L 24 201

Project-No.: UK 24 205

Project:

Page: of:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	U/L 24 201 UK 24 205
		till:	DPSS 2. 4. 10
	Accompanying circuit diagramm:	C97 92 705.1 / 136	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
		[mA] nominal	[bar] ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	
2. <input type="checkbox"/>	25	8	0,4	
3. <input type="checkbox"/>	50	12	0,6	
4. <input type="checkbox"/>	75	16	0,8	
5. <input type="checkbox"/>	100	20	1,0	
6. <input type="checkbox"/>	75	16	0,8	
7. <input type="checkbox"/>	50	12	0,6	
8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2	

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

## Inspector

Name:

Svee Loref

Date:

27.3.06

Company:

Regula kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: GL 24 204

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

GL 24 204

till:

DPS 2. 4. 9

Accompanying circuit diagram:

C97 92 705.1 / 136

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary Input DCS

1. ☐ HH

&gt;

OPENOK2. ☐ H

&lt;

CLOSEOK3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svec 1024

Date:

29.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: FT 24 201

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 24 201

till:

DPS 2.4.3

Accompanying circuit diagram:

C9792 705-1 / 137

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etcSignal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sve 102ef

Date:

23.3.06



Company:

Doga k. kosić a.s.

Signature:

(Stamp)



		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>PT 24 201</b>	
		Project-No.: Page:                      of:			
		Project:		Designation:	
		Kind of sensor:		Manufacturer:	
		Model number:		Range adjusted at: <b>0 - 70 bar</b>	
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK		
Wiring	Loop check carried out		from:	<b>PT 24 201</b>	
			till:	<b>DPS 2.3.3</b>	
	Accompanying circuit diagram:		<b>C 97 92 705-1 / 1.1.1.1</b>		
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value Unit:	Output signal RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	
Limit value switch	Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
			>		
Remarks					
Inspector					
Name: <b>Lozice Jozef</b>			Date: <b>23.3.06</b>		
Company: <b>Regula Lozice a.s.</b>			Signature: 		
			(Stamp)		

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **TE 24 201**

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

**- 100 + 50 °C**

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

**TE 24 201**

till:

**DPS 2.4.6**

Accompanying circuit diagram:

**C92 92 205-1 / 139**

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

**- 100 °C**

4

2. ☐

25

8

3. ☐

50

**- 25 °C**

12

4. ☐

75

16

5. ☐

100

**+ 50 °C**

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

**Svee Loref**

Date:

**29.3.06**

Company:

**Logika loiree a.s.**

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24 202

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 bar

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

PT 24 202

till:

DPS 2.4.3

Accompanying circuit diagram:

097 92 205-1 / 140

Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	4
2. <input type="checkbox"/>	25		8	8
3. <input type="checkbox"/>	50		12	12
4. <input type="checkbox"/>	75		16	16
5. <input type="checkbox"/>	100		20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

**Inspector**

Name:

Sven Lorel

Date:

29.3.08

Company:

Dequela košice a.s.

Signature:

Sven

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 202

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

 $-200 + 50^{\circ}\text{C}$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 24 202

till:

DPS 2.4.6

Accompanying circuit diagram:

C9792705-1 / 144

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

 $-200^{\circ}\text{C}$ 

4

2. ☐

25

8

3. ☐

50

 $-75^{\circ}\text{C}$ 

12

4. ☐

75

16

5. ☐

100

 $+10^{\circ}\text{C}$ 

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

Remarks

Inspector

Name:

Gözel İsmail

Date:

29.5.06

Company:


Doğulu köşer 9.3.

Signature:

(Stamp)

C9792705-1 / 144



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <u>CL 24 205</u>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<u>OPEN - CLOSED</u>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<u>CL 24 205</u>
		till:	<u>DPS 2.4.9</u>
	Accompanying circuit diagram:		<u>C9792705-1 / 142</u>
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	<u>OPEN</u>	<u>OK</u>
	3. <input type="checkbox"/> L		>	<u>CLOSED</u>	<u>OK</u>
4. <input type="checkbox"/> LL		>			

Remarks	
---------	--

<b>Inspector</b>	
Name: <u>Štefan Jozef</u>	Date: <u>29.3.06</u>
Company: <u>Doğula Kosiice a.s.</u>	Signature: <u>[Signature]</u> (Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: GT 24205

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from:	GT 24205
		till:	DPS 2.4.3
	Accompanying circuit diagram:	C9792 705.1 / 142	
	Accompanying junction box diagram:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	4	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Sven 1020f

Date:

29.3.06

Company:

Regula posico a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 24 205

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	HV 24 205
		till:	DPS 2.4.8
	Accompanying circuit diagram:	C97 92 705-4 / 142	
	Accompanying junction box diagram:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		(mA) nominal	(bar)	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	0	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Svec Jozef

Date:

29.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24 207

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 70 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 24 207

till:

DPS 2.4.3

Accompanying circuit diagram:

C97 92 705-1 / 143

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Loref

Date:

29.3.06

Company:

Logica Kosica a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> T44 <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 24 220</b>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	- 50 + 150 °C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	TE 24 220	
		till:	DPS 2.4.4	
	Accompanying circuit diagram:	C97 92 705.7 / 144		
	Accompanying junction box diagram:			

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 50°	4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Imen Louf</i>	Date: <i>29.3.06</i>
Company: <i>Logica kosice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPF270EN.xls

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 24221*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*- 50 + 150°C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 24221*

till:

*DPS 2.4.4*

Accompanying circuit diagram:

*C47 92 205-7 1445*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

*4*2. ☐

25

8

*8*3. ☐

50

12

*12*4. ☐

75

16

*16*5. ☐

100

20

*20*6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*Svea Loref*

Date:

*29.3.06*

Company:

*Legula Kosić a.s.*

Signature:

*Svea*

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 24 223*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*-50 + 150 °C*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*TE 24 223*

till:

*DPS 2.4.4*

Accompanying circuit diagram:

*C97 92 705-1/146*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

*4*2. ☐

25

8

*8*3. ☐

50

12

*12*4. ☐

75

16

*16*5. ☐

100

20

*20*6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

*Erin Kozel*

Date:

*29.3.06*

Company:

*Doqula lošice a.s.*

Signature:

*Erin*

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: SH1, SL, SH2  
SHH 24 224  
Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

SH1, SL, SH2, SHH 24 224

till:

DPS 2.4.9

Accompanying circuit diagram:

C92 92 705.1 / 147

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

OPEN

OK

2. ☐ H

&lt;

CLOSE

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

**Inspector**

Name:

Svec Jozef

Date:

24.3.06


Company:

Regula kosice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>S 24 224</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 50000 rpm</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	Loop check carried out from: <i>S 24 224</i>		till: <i>DPS 2.4.5</i>		
	Accompanying circuit diagram: <i>C9792 705.1 1/47</i>				
	Accompanying junction box diagram:				
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
<b>Inspector</b> Name: <i>Sven Lorenz</i> Date: <i>24.3.06</i> Company: <i>Regula Kocice a.s.</i> Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>					



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: XT 24 224

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 125 mm

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

XT 24 224

till:

DPS 2. 4. 5

Accompanying circuit diagram:

C 97 92 705-1 1.48

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svec Loref

Date:

24.3.08

Company:


Regula kosice a.s.

Signature:

Svec

(Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PDT 24241</i>	
		Project: _____		Project-No.: _____	
Designation: _____		Page: _____ of: _____		Combination with Tag-No.: _____	

Sensor	Kind of sensor: _____	
	Manufacturer: _____	
	Model number: _____	
	Range adjusted at: <i>0 - 2000 mbar</i>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out from: <i>PDT 24241</i>
	till: <i>DPS 2.4.3</i>
	Accompanying circuit diagram: <i>C97 92 208.1 / 149</i>
	Accompanying junction box diagram: _____

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <i>Soec Iord</i>	Date: <i>24.3.06</i>
Company: <i>Regula Kojice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPB770EN.XLS - 06.11.2004

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT24244

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 25 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT24244

till:

DPS 2.4.3

Accompanying circuit diagram:

C92 92 708-1 / 150

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svea Loref

Date:

24.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: LSL 24260

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	OPEN - CLOSE

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LSL 24260
		till: DPS 2.4.9
	Accompanying circuit diagram:	C9792 205-1 / 157
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	Unit:	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>	OPEN	OK
			<		
	3. <input type="checkbox"/> L		>	CLOSE	OK
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks

## Inspector

Name:

Sven Loeff

Date:

29.3.06

Company:

Dagla Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TH 24 260

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TH 24 260

till:

DPS 2.4.9

Accompanying circuit diagram:

C9772 705.1 / 151A

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

ON

OFF

ok

ok

Remarks

Inspector

Name:

Svečková

Date:

25.4.06


Company:

Dagala Koice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>THH 24260</b>	
		Project: _____ Designation: _____		Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____	
Sensor	Kind of sensor: _____				
	Manufacturer: _____				
	Model number: _____				
	Range adjusted at: <b>ON - OFF</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Loop check carried out		from: <b>THH 24260</b>			
		till: <b>DPS 2.4.9</b>			
		Accompanying circuit diagram: <b>C9792705.1 / 151A</b>			
		Accompanying junction box diagram:			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50		12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100		20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>	ON	OK
	3. <input type="checkbox"/> L		>	OFF	OK
	4. <input type="checkbox"/> LL		>		
Remarks					
<b>Inspector</b>					
Name: <b>Svee Jozef</b>			Date: <b>25.4.06</b>		
Company: <b>Dogula tošice a.s.</b>			Signature: _____		
			(Stamp)		



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 261

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 °C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: TE 24 261  
till: DPS 2.4.6  
Accompanying circuit diagram: C9792705-4 / 152  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0 °C	4	
2. <input type="checkbox"/>	25	25 °C	8	
3. <input type="checkbox"/>	50	50 °C	12	
4. <input type="checkbox"/>	75	75 °C	16	
5. <input type="checkbox"/>	100	100 °C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Süve Jozsef

Date:

12.4.06

Company:

Regula Kármán a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *PSLL 24 268*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*PSLL 24 268*

till:

*DPS 2.4.9*

Accompanying circuit diagram:

*C9792 705-1 / 154*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary Input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

*OPEN**OK*3. ☐ L

&lt;

*CLOSE**OK*4. ☐ LL

&lt;

Remarks

Inspector

Name:

*Sven Loref*

Date:

*29.3.06*

Company:

*Logula Kocice a.s.*

Signature:

*Sven*

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 24269

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 6 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 24 269

till:

DPS 2.4.3

Accompanying circuit diagram:

C 97 92 705-1 / 1585

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Loref

Date:

29.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 24 269</b>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	0 - 100 °C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 24 269</b>
		till: <b>DPS 2 4.7</b>
	Accompanying circuit diagram:	<b>C 9792 705-1 / 156</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0	4	
	2. <input type="checkbox"/>	25	25	8	
	3. <input type="checkbox"/>	50	50	12	
	4. <input type="checkbox"/>	75	75	16	
	5. <input type="checkbox"/>	100	100	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks		
---------	--	--

<b>Inspector</b>	
Name:	Date:
Company:	Signature:
(Stamp)	

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 271

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from: TE 24 271

till: DPS 2.4.4

Accompanying circuit diagram:

C9792705-1 1.157

Accompanying junction box diagram:

Transmitter

Check points

%

Unit:

Value

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

25

8

8

3. ☐

50

50

12

12

4. ☐

75

75

16

16

5. ☐

100

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etcSignal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Jvč - Loref

Date:

29.3.06

Company:

Pogoda levice a.s.

Signature:

(Stamp)

SPEZ705N.XLS 29.3.2006





AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: 7E 24 273

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

7E 24 273

till:

DPS 2.4.4

Accompanying circuit diagram:

C9792 705-11/158

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

25

8

8

3. ☐

50

50

12

12

4. ☐

75

75

16

16

5. ☐

100

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

García Lopez

Date:

29.3.06

Company:

Regula Woice a.s.

Signature:

[Signature]

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 24 275

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

TE 24 275

till:

DPS 2.4.4

Accompanying circuit diagram:

C97 92 705-1 / 159

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25	50	8	8
3. <input type="checkbox"/>	50	100	12	12
4. <input type="checkbox"/>	75	150	16	16
5. <input type="checkbox"/>	100	200	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

**Inspector**

Name:

Sven Loref

Date:

29.3.08

Company:

Regula Koivu a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: 7E 24 276

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200°C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

- |                                    |                   |           |
|------------------------------------|-------------------|-----------|
| Loop check carried out             | from:             | 7E 24 276 |
|                                    | till:             | DPS 2.4.4 |
| Accompanying circuit diagram:      | C97 92 705-11 160 |           |
| Accompanying junction box diagram: |                   |           |

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25	10	8	8
3. <input type="checkbox"/>	50	100	12	12
4. <input type="checkbox"/>	75	150	16	16
5. <input type="checkbox"/>	100	200	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

## Inspector

Name:

Soc Houf

Date:

29.3.06

Company:

Legata Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 24 277*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*0 - 200°C*

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: *TE 24 277*  
till: *DPS 2.4.4*  
Accompanying circuit diagram: *C9792 nos-1 / 161*  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25	10	8	8
3. <input type="checkbox"/>	50	100	12	12
4. <input type="checkbox"/>	75	150	16	16
5. <input type="checkbox"/>	100	200	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

**Inspector**

Name:

*Swie Lorel*

Date:

*29.3.09*

Company:

*Dagala Service a.s.*

Signature:

*Swie*

(Stamp)

SPEZ70EN.xls



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 40003

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 200 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PT 40003

till:

DPS 2.2.8

Accompanying circuit diagram:

C97 92 705.1 / 184

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Svee Jozef

Date:

27.3.06

Company:

Rogula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: PK 40003

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PK 40003

till:

DPS 2.2.12

Accompanying circuit diagramm:

C9792705-1 / 164

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sven Jurek

Date:

28.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 40003

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PDT 40003
		till: DPS 2.2.9
	Accompanying circuit diagram:	C97 92 705-1 1.165
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		<		
	4. <input type="checkbox"/> LL		<		

Remarks	
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**Inspector**

Name:

Svec Jozef

Date:

27.3.06

Company:

Dagala kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 40005

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

HV 40005

till:

DPS 2.2.11

Accompanying circuit diagramm:

C9792705.1 / 166

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sven Loef

Date:

30.3.06

Company:

Regula Kojice a.s.

Signature:

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>LT 40007</b>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<b>2.674 - 614.251 m bar</b>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>LT 40007</b>
		till: <b>DPS 2.2.8</b>
	Accompanying circuit diagram:	<b>097.92 705.1 1 167</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <b>Soňa Jozef</b>	Date: <b>27.3.06</b>
Company: <b>Dogula košice a.s.</b>	Signature:
	(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 40007

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 500 mbar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: PT 40 007
		till: DPS 22.9
	Accompanying circuit diagram:	C9292 205.1 1/68
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector

Name:

Sven Jozef

Date:

22.3.08

Company:

Dagula Kosice a.s.

Signature:

[Signature]

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Actuators  
Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 40007

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with  
- VDE☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LV 40007

till:

DPS 2.2.11

Accompanying circuit diagramm:

C9792 FOS, 1 / 168

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Sven Jozef

Date:

28.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 40009

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 40009

till:

BPS 2.1.11

Accompanying circuit diagram:

C9792705.1 / 169

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

OPEN

OK

3. ☐ L

&gt;

CLOSE

OK

4. ☐ LL

&gt;



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *TE 40009*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<i>-200 + 50 °C</i>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 40009</i>
		till: <i>DPS 2.2.10</i>
	Accompanying circuit diagram:	<i>09792 705-1 / 170</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>-200 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>-75 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

**Inspector**

Name:

Company:

Date:

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FT40011

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 50 m bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FT 40011

till:

DPS 2.2.8

Accompanying circuit diagram:

C9792 705-1 / 177

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sone Sone

Date:

22.3.08

Company:

Dagala Koirice a.s.

Signature:

Sone

(Stamp)



**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: FV 40011

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100 %		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thighness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	FV 40011
		till:	DPS 2.2.11
	Accompanying circuit diagram:	C9792705-17.12.1	
	Accompanying junction box diagram:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	7	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

Inspector

Name:

Svec Jozef

Date:

18.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 40011

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-200 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 40011

till:

DPS 2.2.10

Accompanying circuit diagram:

092 92 705.1 / 172

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

-200°C

4

2. ☐

25

8

3. ☐

50

-75°C

12

4. ☐

75

16

5. ☐

100

+50°C

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

**Inspector**

Name:

Svec Jozef

Date:

30.3.06

Company:

Daguba Kosice a.s.

Signature:

Svec

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 40012

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100 %		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	HV 40012
		till:	DPS 2.2. h1
	Accompanying circuit diagramm:	C97 92 705-1 / 173	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	4	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Štec Jozef

Date:

28. 3. 06

Company:

Regula Košice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE40013

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-200 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 40013

till:

DPS 2.2.10

Accompanying circuit diagram:

097 92 705.1 / 174

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-200 °C

4

2.

☐

25

8

3.

☐

50

-75 °C

12

4.

☐

75

16

5.

☐

100

+10 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sven Lind

Date:

20.7.06

Company:

Dagla Kosice a.s

Signature:

(Stamp)



AGS		Check Sheet of Actuators Proof of Calibration and Checking of Control Valves		TAG - No.: HN 40014		
		Project:		Page:            of:		
		Designation:		Combination with Tag-No.:		
Actor	Kind of actor:		Accessory:		Accessory:	
	Manufacturer:					
	Model number:					
	Total range: <div>0 - 100%</div>					
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	<input type="checkbox"/> Check of process connection / piping of          -open gateway		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	tightness		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	- installation material as specified		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	<input type="checkbox"/> Check of the wiring in accordance with          -VDE		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	-IEC / IS		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	-BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK <input type="checkbox"/> not OK			
	Loop check carried out		from: HN 40014			
			till: DPS 2.2.11			
	Accompanying circuit diagram:		C9792 FOS-1 / 175			
Actuator	Accompanying junction box diagram:					
	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	4	0
	2. <input type="checkbox"/>	25	8	0,4	8	25
	3. <input type="checkbox"/>	50	12	0,6	12	50
	4. <input type="checkbox"/>	75	16	0,8	16	75
	5. <input type="checkbox"/>	100	20	1,0	20	100
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
Moving	9. <input type="checkbox"/>	0	4	0,2		
	0 - 100% Stroke		to OPEN		To CLOSED	Quick closing valve to safety position:
Remarks						
Inspector						
Name: Svec Juref			Date: 28.3.08			
Company: Regula Icosice a.s.			Signature: [Signature] (Stamp)			



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q40014

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q40014

till:

DPS 2.1.11

Accompanying circuit diagram:

C9792705-1 / 176

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

01

2. ☐ H

&gt;

OFF

01

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sven Lorel

Date:

21.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 40014

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 200 + 50°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of -open gateway☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 40014

till:

DPS 2.2.10

Accompanying circuit diagram:

097 92 705-1 / 1777

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-200°C

4

2.

☐

25

8

3.

☐

50

-75°C

12

4.

☐

75

16

5.

☐

100

+50°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Lorenz

Date:

30.2.06


Company:

Logala kosice as.

Signature:

Lorenz

(Stamp)

 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <u>LT 40017</u>	
		Project: _____		Project-No.: _____	
Designation: _____		Page: _____ of: _____		Combination with Tag-No.: _____	

Sensor	Kind of sensor: _____	
	Manufacturer: _____	
	Model number: _____	
	Range adjusted at: <u>0.618 - 141.943 mbar</u>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <u>LT 40017</u>
		till: <u>DPS 2.28</u>
	Accompanying circuit diagram:	<u>C 97 92 705-1 / 178</u>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	6
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

<b>Inspector</b>	
Name: <u>Sara Kozel</u>	Date: <u>27.5.06</u>
Company: <u>Dogula bosica a.s.</u>	Signature:  (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *LT 40053*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

*1.04 - 315.387 mbar*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*LT 40053*

till:

*DPS 2.2.8*

Accompanying circuit diagram:

*09792705-4 1179*

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

*4*2. ☐

25

8

*8*3. ☐

50

12

*12*4. ☐

75

16

*16*5. ☐

100

20

*20*6. ☐

75

16

*16*7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&lt;

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

*Lucie 102f*

Date:

*23. 9. 06*

Company:

*Doqu'a kosice a.s.*

Signature:

*[Signature]*

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PDT 40053

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 150 mbar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PDT 40053

till:

DPS 2.2.9

Accompanying circuit diagram:

C9292 705-1 1/180

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute, etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

&lt;

&lt;

&gt;

&lt;

Remarks

## Inspector

Name:

Svee Jozef

Date:

22.3.06

Company:

Dogača Ljubič 9.8.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 40 110

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

HV 40 110

till:

DPS 2.3.10

Accompanying circuit diagram:

C9797705-1/182

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Spec 1021

Date:

28.3.06

Company:

Regula Kosičica a.s.

Signature:

(Stamp)

C97741EN.xls

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 40 130

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

- 200 + 50°C

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| - VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

- |                                    |                     |            |
|------------------------------------|---------------------|------------|
| Loop check carried out             | from:               | TE 40 150  |
|                                    | till:               | DPS 2.2.10 |
| Accompanying circuit diagram:      | C97 92 705-7 1, 183 |            |
| Accompanying junction box diagram: |                     |            |

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	- 200 °C	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	- 25 °C	12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	50 °C	20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

**Inspector**

Name:

Sven Loref

Date:

27.3.06

Company:

Regula Werke G.S.

Signature:

(Stamp)

SPEZ705H VLS - 25.10.2005



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 40140

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-100 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE 40140

till:

DPS 2.2.10

Accompanying circuit diagram:

C97 92 705.1 / 184

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

-100

4

2. ☐

25

8

3. ☐

50

-25

12

4. ☐

75

16

5. ☐

100

+50

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Lorez

Date:

27.3.06

Company:

Regula Konic a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 40 141

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-100 + 100°C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

TE 40 141

till:

DPS 2.2.10

Accompanying circuit diagram:

C97 92 705-11 185

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-100°C

4

2.

☐

25

-50

8

3.

☐

50

0°C

12

4.

☐

75

+50°C

16

5.

☐

100

+100°C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sven Joref

Date:

27.3.06

Company:

Zogula Kosić a.s.

Signature:

(Stamp)

SPEZ770EN.xls 26.06.2004





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 40170

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 40170

till:

DPS 2.2.9

Accompanying circuit diagram:

C9792 705.9 1.186

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

4

2.

☐

25

8

8

3.

☐

50

12

12

4.

☐

75

16

16

5.

☐

100

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising, &lt; falling

Switching condition

open/ closed, on/ mute, etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Cvet Lovel

Date:

22.3.06

Company:

Regata kosice a.s.

Signature:

Cvet

(Stamp)

**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: PV 40 170

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0-100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PV 40 170

till:

DPS 2.2.12

Accompanying circuit diagramm:

89772 705-1/186

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Svee Jozef

Date:

28.3.06

Company:

Regula kotice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: FSL 40 181

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

FSL 40/181

till:

DPS 2.3.9

Accompanying circuit diagram:

C97 92 705-1 / 187

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

OPEN

OK

2. ☐ H

&gt;

CLOSE

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sveta 12/12

Date:

28.5.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: <i>PV 43 021</i> Project-No.: Page:                      of: Combination with Tag-No.:	
		Project:					
		Designation:					

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	<i>0 - 100%</i>		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring	Loop check carried out	from: <i>PV 43 021</i>
		till: <i>DPS 2.2.12</i>
	Accompanying circuit diagramm:	<i>C9792705.1 / 189</i>
	Accompanying junction box diagramm:	

Actuator	Check points	% Stroke Rated value	[mA] nominal	[bar]	Operating signal ACTUAL Unit:	% Stroke ACTUAL
	1. <input type="checkbox"/>	0	4	0,2	<i>4</i>	<i>0</i>
	2. <input type="checkbox"/>	25	8	0,4	<i>8</i>	<i>25</i>
	3. <input type="checkbox"/>	50	12	0,6	<i>12</i>	<i>50</i>
	4. <input type="checkbox"/>	75	16	0,8	<i>16</i>	<i>75</i>
	5. <input type="checkbox"/>	100	20	1,0	<i>20</i>	<i>100</i>
	6. <input type="checkbox"/>	75	16	0,8		
	7. <input type="checkbox"/>	50	12	0,6		
	8. <input type="checkbox"/>	25	8	0,4		
	9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:


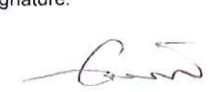

  

**Inspector**  
 Name: *Sven 1024*  
 Company: *Logika losice n.s.*

Date: *28.5.06*  
 Signature: *[Signature]*  

(Stamp)



 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>PDT 43021</b> Project-No.: Page:                      of: Combination with Tag-No.:	
		Project:			
		Designation:			
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <b>0 - 300 mbar</b>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Loop check carried out		from: <b>PDT 43021</b>			
		till: <b>DPS 2.2.9</b>			
		Accompanying circuit diagram: <b>C9792 705-1 / 187</b>			
		Accompanying junction box diagram:			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		
Remarks					
<b>Inspector</b> Name: <b>Sve 102ef</b> Date: <b>27.7.06</b> Company: <b>Dequica kotice o.s</b> Signature:  <div style="text-align: right;">(Stamp) </div>					

**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: PV43022

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of  
-open gateway  
tightness☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with  
-VDE☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PV43022

till:

DPS 2.2.12

Accompanying circuit diagram:

C97 9/2 705-7 / 190

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Operating signal

% Stroke

Rated value

[mA] nominal [bar]

ACTUAL Unit:

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Cec 102f

Date:

30.3.06

Company:

Regula Service a.s.

Signature:

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: *PT 43 022*

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<i>0 - 1 bar</i>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	


Wiring	Loop check carried out	from: <i>PT 43 022</i>
		till: <i>DPS 2.2.9</i>
	Accompanying circuit diagram:	<i>C97 92 705-1 1/90</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
				RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

Inspector	
Name: <i>Štefan Loreš</i>	Date: <i>27.3.08</i>
Company: <i>Regula kosice a.s.</i>	Signature: <i>[Signature]</i>
	(Stamp)

<div></div> <div>AGS</div>		Check Sheet of Actuators		TAG - No.: 0V 43023				
		Proof of Calibration and Checking of Control Valves		Project-No.:				
		Project:		Page: of:				
		Designation:		Combination with Tag-No.:				
Actor	Kind of actor:		Accessory:		Accessory:			
	Manufacturer:							
	Model number:							
	Total range:		OPEN - CLOSE					
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	-open gateway		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	thightness		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	- installation material as specified		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
	-VDE		<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
Wiring			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
			<input type="checkbox"/> OK		<input type="checkbox"/> not OK			
Actuator	Loop check carried out		from: 0V 43023					
			till: DPS 2.3.10					
	Accompanying circuit diagramm:		C9792705-1 / 1.7.11					
	Accompanying junction box diagramm:							
Moving	Check points		% Stroke		Operating signal		% Stroke	
	Rated value		[mA] nominal [bar]		ACTUAL Unit:		ACTUAL	
	1. <input type="checkbox"/>		0		4 0,2			
	2. <input type="checkbox"/>		25		8 0,4			
	3. <input type="checkbox"/>		50		12 0,6			
	4. <input type="checkbox"/>		75		16 0,8			
	5. <input type="checkbox"/>		100		20 1,0			
	6. <input type="checkbox"/>		75		16 0,8			
	7. <input type="checkbox"/>		50		12 0,6			
	8. <input type="checkbox"/>		25		8 0,4			
Remarks	0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:	
			OK		OK			
Inspector								
Name: Svec Iouf				Date: 28.5.06				
Company: Regula kotice a.s.				Signature: [Signature]				





AIR LIQUIDE

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV43023

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100 %

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

LV43023

till:

DPS 2.2.11

Accompanying circuit diagramm:

C9792705-1 / 19.1

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

C. J. J. J.

Date:

28.3.06


Company:

Regula Kosić a.s.

Signature:

C. J. J. J.

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <u>LT 43 023</u>	
		Project-No.: _____ Page: _____ of: _____			
Project: _____ Designation: _____		Combination with Tag-No.: _____			

Sensor	Kind of sensor:			
	Manufacturer:			
	Model number:			
	Range adjusted at:		<u>1.618 - 332.715 mbar</u>	

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <u>LT 43 023</u>
		till: <u>DPS 2.2.8</u>
	Accompanying circuit diagram:	<u>C97 92 705-1 1d91</u>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<u>4</u>
	2. <input type="checkbox"/>	25		8	<u>8</u>
	3. <input type="checkbox"/>	50		12	<u>12</u>
	4. <input type="checkbox"/>	75		16	<u>16</u>
	5. <input type="checkbox"/>	100		20	<u>20</u>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
---------	--

Inspector	
Name: <u>Simec 102ef</u>	Date: <u>27.5.06</u>
Company: <u>Dequla kosice a.s.</u>	Signature: <u>Simec</u>

(Stamp) SPE770EN vls





AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 43026

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

LV 43026

till:

DPS 2.2.11

Accompanying circuit diagramm:

C97 92 705-7 / 192

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Cvetkov

Date:

30.3.08


Company:

Logika Volice a.s.

Signature:

(Stamp)

SPEZIFIKACE

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>LT 43 027</i>  Project-No.:	
				Page:                      of:	
		Project:		Combination with Tag-No.:	
		Designation:			

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>1.38 - 13 4.648 mbar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>LT 43 027</i>
		till:	<i>DPS 2.28</i>
	Accompanying circuit diagram:	<i>097 92 705.1 / 193</i>	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute, etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

<b>Inspector</b>	
Name: <i>Steve Loref</i>	Date: <i>27.3.06</i>
Company: <i>Regula Kociu a.s.</i>	Signature: <i>[Signature]</i> (Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 43027

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LV 43027
		till: DPS 2.2.11
	Accompanying circuit diagramm:	C97797 705-1 / 193
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	4	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Sven Lof

Date:

28.5.08

Company:

Regula Lofice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 43 028

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 2 bar

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

PT 43 028

till:

DPS 2.2.9

Accompanying circuit diagram:

C97 92 705.1 1/194

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

4

2. ☐

25

8

8

3. ☐

50

12

12

4. ☐

75

16

16

5. ☐

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed, on/ mute; etcSignal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Simec 102ef

Date:

27. 3. 06

Company:

Doga la kosiice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: PV 43028

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100 %		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	PV 43028
		till:	DPS 2.2.12
	Accompanying circuit diagramm:	C9772705-1 / 194	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		(mA) nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	11	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

Inspector

Name:

Cecile Lopez

Date:

28.3.08

Company:

Regula Kosić a.s.

Signature:

[Signature]

(Stamp)

C9772705-1 / 194

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: LV 43033

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	0 - 100%		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: LV43033
		till: DPS 2.2.12
	Accompanying circuit diagramm:	C9792708-1 / 135
	Accompanying junction box diagramm:	

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	7	0
2. <input type="checkbox"/>	25	8	0,4	8	25
3. <input type="checkbox"/>	50	12	0,6	12	50
4. <input type="checkbox"/>	75	16	0,8	16	75
5. <input type="checkbox"/>	100	20	1,0	20	100
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:

Remarks	
---------	--

**Inspector**

Name:

Luce Louf

Date:

28.3.08

Company:

Regula Kocien A.S.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE43034

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

-200 + 50 °C

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

TE43034

till:

DPS 2.2.10

Accompanying circuit diagram:

C97 92 705-7 / 197

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

-200 °C

4

2.

☐

25

8

3.

☐

50

-75 °C

12

4.

☐

75

16

5.

☐

100

+50 °C

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&lt;

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sveic Lorel

Date:

27.3.06

Company:

Regula košice a.s.

Signature:

(Stamp)

SPEZ70EN-VLS 25.05.1993



AIR LIQUIDE

AGS

Check Sheet of Actuators  
Proof of Calibration  
and Checking of Control Valves

TAG - No.: HV 61103

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	HV 61103
		till:	DPS 2.3.10
	Accompanying circuit diagramm:	C9792 705-1/100	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

Inspector

Name:

Cécile Loubé

Date:

28.3.06

Company:

Dagula Kocice a.s.

Signature:

(Stamp)

C9792 705-1/100



**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *HV 61 110*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*HV 61 110*

till:

*DPS 2.3.10*

Accompanying circuit diagram:

*C9792705-1 / 201*

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Lüch Josef*

Date:

*28.3.05*


Company:

*Regula Kosice a.s.*

Signature:

*[Signature]*

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 61 130</i>  Project-No.:	
		Project:		Page:                      of:	
		Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:					
	Manufacturer:					
	Model number:					
	Range adjusted at:	<i>-200 + 50 °C</i>				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 61 130</i>
		till: <i>DPS 2.2.6</i>
	Accompanying circuit diagram:	<i>C97 92705-1 / 202</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>-200 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>-75 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			

Remarks	
---------	--

Inspector	
Name: <i>Luce Juref</i>	Date: <i>27.3.06</i>
Company: <i>Regula Essica a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 61 140</i> Project-No.: Page:                      of:	
		Project: Designation:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>- 100 + 50 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 61 140</i>
		till: <i>DPS 2.2. C</i>
	Accompanying circuit diagram:	<i>C97 92 705-1 / 203</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>- 100 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>- 25 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+ 50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			

Remarks	
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Inspector	
Name: <i>Sven Loref</i>	Date: <i>27.3.06</i>
Company: <i>Regula Kosić a.s.</i>	Signature: <i>[Signature]</i> (Stamp)

 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 61 141</i>	
		Project:		Project-No.:	
		Designation:		Page:                      of:	
				Combination with Tag-No.:	

Sensor	Kind of sensor:					
	Manufacturer:					
	Model number:					
	Range adjusted at:	<i>- 100 + 100 °C</i>				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	<i>TE 61 141</i>
		till:	<i>DPS 2.2.6</i>
	Accompanying circuit diagram:	<i>C92 72 705-1 / 204</i>	
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>- 100 °C</i>	4	
	2. <input type="checkbox"/>	25	<i>- 50 °C</i>	8	
	3. <input type="checkbox"/>	50	<i>0 °C</i>	12	
	4. <input type="checkbox"/>	75	<i>+ 50 °C</i>	16	
	5. <input type="checkbox"/>	100	<i>+ 100 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			

Remarks					
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<b>Inspector</b>	
Name: <i>Sören Loef</i>	Date: <i>27.3.06</i>
Company: <i>Regula Korrur a.s.</i>	Signature: <i>[Signature]</i> <div style="text-align: right;">(Stamp)</div>





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 61170

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 40 bar

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: PT 61170
		till: DPS 2.1.6
	Accompanying circuit diagram:	297927005-1 / 208
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute, etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		>		

Remarks	
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## Inspector

Name: Svec Jozef

Date: 25.3.06

Company: Regula Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: PV 61 170

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of -open gateway☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PV 61 170

till:

DPS 2.1.7

Accompanying circuit diagramm:

C9792 705. 1/205

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

4

0

2.

☐

25

8

0,4

8

25

3.

☐

50

12

0,6

12

50

4.

☐

75

16

0,8

16

75

5.

☐

100

20

1,0

20

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Srećko Lović

Date:

28.2.00

Company:

Regača Lošice

Signature:

Srećko Lović

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FSL 61181

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

FSL 61181

till:

DPS 23.9

Accompanying circuit diagram:

C9292705-7/206

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

&gt;

&lt;

&gt;

&lt;

&gt;

&lt;

&gt;

&lt;

OPEN

CLOSE

OK

OK

Remarks

Inspector

Name:

Svec Jozef

Date:

27.3.06

Company:

Regula Posice a.s.

Signature:

C. Jozef

(Stamp)

**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *HV61203*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*HV 61203*

till:

*DPS 2.3.10*

Accompanying circuit diagramm:

*C9792 205-1 / 207*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

2.

☐

25

8

0,4

3.

☐

50

12

0,6

4.

☐

75

16

0,8

5.

☐

100

20

1,0

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Čuček Ivo*

Date:

*18.3.08*

Company:

*Dogača Kosić n.s.*

Signature:

*[Signature]*

(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: *HV 61210*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*HV 61210*

till:

*DPSS 2. 3.10*

Accompanying circuit diagram:

*C9792 705-1 / 208*

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Svec / ozel*

Date:

*28.3.06*


Company:

*Regula kotice a.s.*

Signature:

*[Signature]*

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>TE 61 230</i>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>- 200 + 50 °C</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>TE 61 230</i>
		till: <i>DPS 2.2.6</i>
	Accompanying circuit diagram: <i>C9792 705-1 / 209</i>	
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<i>- 200 °C</i>	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	<i>- 75 °C</i>	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	<i>+ 50 °C</i>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
---------	--

Inspector	
Name: <i>Švec Lozef</i>	Date: <i>27.3.08</i>
Company: <i>Doqule kosiue a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPE77PEN.xls





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 61 240

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

 $-100 + 50^{\circ}\text{C}$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from: TE 61 240

till: DPS 2.2.6

Accompanying circuit diagram:

C97 92 701-5 / 210

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

 $-100^{\circ}\text{C}$ 

4

2. ☐

25

8

3. ☐

50

 $-25^{\circ}\text{C}$ 

12

4. ☐

75

16

5. ☐

100

 $+50^{\circ}\text{C}$ 

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed, on/ mute; etc

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Švec Josef

Date:


21.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: TE 61241	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

Sensor	Kind of sensor:					
	Manufacturer:					
	Model number:					
	Range adjusted at:	- 100 x 100 °C				

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 61241
		till: DPS 2.2.6
	Accompanying circuit diagram:	C9792705.1 / 211
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 100 °C	4	
	2. <input type="checkbox"/>	25	- 50 °C	8	
	3. <input type="checkbox"/>	50	0 °C	12	
	4. <input type="checkbox"/>	75	+ 50 °C	16	
	5. <input type="checkbox"/>	100	+ 100 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		


  

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks					
---------	--	--	--	--	--

Inspector	
Name: Sören Loref	Date: 27.3.06
Company: Doqula Korte a.s	Signature: 

(Stamp)      SPEZ7051.XLS



**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *PV 61270*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*0 - 100 %*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of  
- open gateway  
tightness☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with  
- VDE☐ OK ☐ not OK

- IEC / IS

☐ OK ☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*PV 61270*

till:

*DPS 2.1.7*

Accompanying circuit diagramm:

*C9792705-1 / 212*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

[mA] nominal

Operating signal

[bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

*4**0*

2.

☐

25

8

0,4

*8**25*

3.

☐

50

12

0,6

*12**50*

4.

☐

75

16

0,8

*16**75*

5.

☐

100

20

1,0

*20**100*

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

*Josef Jozef*

Date:

*28.3.06*

Company:

*Regula Kosice a.s.*

Signature:

*[Signature]*

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 61270</i>  Project-No.: _____  Page: _____ of: _____	
		Project: _____  Designation: _____		Combination with Tag-No.: _____	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	<i>0 - 40 bar</i>			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <i>PT 61270</i>
		till: <i>DPS 2.1. C</i>
	Accompanying circuit diagram:	<i>C9792 705-1 1/2/2</i>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	<i>4</i>
	2. <input type="checkbox"/>	25		8	<i>8</i>
	3. <input type="checkbox"/>	50		12	<i>12</i>
	4. <input type="checkbox"/>	75		16	<i>16</i>
	5. <input type="checkbox"/>	100		20	<i>20</i>
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			

Remarks	
---------	--

Inspector	
Name: <i>Goce Jovif</i>	Date: <i>23.3.06</i>
Company: <i>Regula Koirice a.s.</i>	Signature: <i>[Signature]</i>

(Stamp) SPEZ70EN.XLS - 26.05.2003



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: FSL 61 281

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-thightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FSL 61 281

till:

DB 2.3.9

Accompanying circuit diagram:

09292705-1 / 218

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&lt;

OPEN

OK

3. ☐ L

&gt;

CLOSE

OK

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svee Loref

Date:

27.5.06

Company:

Doqula Kojice a.s.

Signature:

(Stamp)





**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

## Proof of Calibration

### and Checking of Control Valves

TAG - No.: *LIV 7110*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*LIV 7110*

till:

*DPS 2.4.10*

Accompanying circuit diagramm:

*C9292705-1 / 216*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

2.

☐

25

8

0,4

3.

☐

50

12

0,6

4.

☐

75

16

0,8

5.

☐

100

20

1,0

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Quirico Lopez*

Date:

*29.3.08*

Company:

*Regula Técnica S.S.*

Signature:

*[Signature]*

(Stamp)





 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 71 140</b>	
		Project:		Project-No.:	
Designation:		Page:                      of:		Combination with Tag-No.:	

<b>Sensor</b>	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	- 100 + 50 °C			

<b>Installation</b>	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

<b>Wiring</b>	Loop check carried out	from: <b>TE 71 140</b>
		till: <b>DPS 2.2.7</b>
	Accompanying circuit diagram:	<b>C 97 92 705-7 / 218</b>
	Accompanying junction box diagram:	

<b>Transmitter</b>	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 100 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	- 25 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	+ 50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

<b>Limit value switch</b>	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute, etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
3. <input type="checkbox"/> L		>			
		<			
4. <input type="checkbox"/> LL		>			
		<			

**Inspector**  
 Name: *Štef Loref*                      Date: *28.5.08*  
 Company: *Logica Kosice a.s.*                      Signature: *[Signature]*  

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 71 141

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	-100 + 100 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 71 141
		till: DPS 2.2.7
	Accompanying circuit diagram:	C97-92 705-1 / 219
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	-100 °C	4	
	2. <input type="checkbox"/>	25	-50 °C	8	
	3. <input type="checkbox"/>	50	0	12	
	4. <input type="checkbox"/>	75	+50 °C	16	
	5. <input type="checkbox"/>	100	+100 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0			4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

Inspector	
Name: Švec Lozef	Date: 28.3.06
Company: Regula Krasice a.s.	Signature:
	(Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: PT 71170

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-40 bar

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: PT 71170  
till: DPS 2.1.6  
Accompanying circuit diagram: C9792705-1 / 220  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	4
2. <input type="checkbox"/>	25		8	8
3. <input type="checkbox"/>	50		12	12
4. <input type="checkbox"/>	75		16	16
5. <input type="checkbox"/>	100		20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

**Inspector**

Name:

Slovak Jozef

Date:

23.3.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS****Check Sheet of Actuators**Proof of Calibration  
and Checking of Control ValvesTAG - No.: *PV 71170*

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*0 - 100%*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

*PV 71170*

till:

*DPS 2.1.7*

Accompanying circuit diagramm:

*097 92 705-1 / 770*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

*4*

0

2.

☐

25

8

0,4

*8*

25

3.

☐

50

12

0,6

*12*

50

4.

☐

75

16

0,8

*16*

75

5.

☐

100

20

1,0

*10*

100

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

*Čestmír Loreš*

Date:

*29.3.06*

Company:

*Doqa la košice a.s.*

Signature:

*[Signature]*

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: FSL 71 181

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FSL 71 181

till:

DPS 2.4.9

Accompanying circuit diagram:

C9792705-1 / 221

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

OPEN

OK

3. ☐ L

&lt;

CLOSE

OK

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Zvee Iovf

Date:

27.3.00

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE****AGS**

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: *HV 71 203*

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

*OPEN - CLOSE*

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

*HV 71 203*

till:

*DPS 2.4.10*

Accompanying circuit diagramm:

*C97 92705-1/222*

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:*OK**OK*

Remarks

Inspector

Name:

*Luce 102f*

Date:

*29.3.06*

Company:

*Regula Koser a.s.*

Signature:

*Gunn*

(Stamp)



 <b>AIR LIQUIDE</b> <b>AGS</b>		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <b>TE 71 230</b>  Project-No.: _____  Page: _____ of: _____	
		Project: _____ Designation: _____		Combination with Tag-No.: _____	

Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at:	- 200 + 50 °C			

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 71 230</b>
		till: <b>DPS 2.2.7</b>
	Accompanying circuit diagram:	<b>C97 92 705-1 / 224</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	Output signal
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	- 200 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	- 75 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	+ 50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		>		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>			

Remarks	
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Inspector	
Name: <b>Švec Jozef</b>	Date: <b>27.3.06</b>
Company: <b>Dogulka Kosice a.s.</b>	Signature:

(Stamp) SPF270EN.xls



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: TE 71240

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	-100 + 50 °C

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: TE 71 240
		till: DPS 2.2.7
	Accompanying circuit diagram:	C97 92 705.1 / 225
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	-100 °C	4	
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	-25 °C	12	
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	+50 °C	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
	4. <input type="checkbox"/> LL		<		

Remarks	
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## Inspector

Name: Svec Loref

Date: 28.3.06

Company: Regula lošice a.s.

Signature: (Stamp)



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of SensorsTAG - No.: **TE 71241**

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	<b>- 100 + 100 °C</b>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: <b>TE 71241</b>
		till: <b>DPS 2.2.7</b>
	Accompanying circuit diagram:	<b>C97 92 705-1 / 226</b>
	Accompanying junction box diagram:	

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	<b>- 100 °C</b>	4	
	2. <input type="checkbox"/>	25	<b>- 50 °C</b>	8	
	3. <input type="checkbox"/>	50	<b>0 °C</b>	12	
	4. <input type="checkbox"/>	75	<b>+ 50 °C</b>	16	
	5. <input type="checkbox"/>	100	<b>+ 100 °C</b>	20	
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
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**Inspector**Name: **Sven Loref**Date: **28.3.06**Company: **Regula košice a.s.**

Signature:

(Stamp)

		<b>Check Sheet of Sensors</b> Proof of Calibration and Checking of Sensors		TAG - No.: <i>PT 71 270</i>  Project-No.:  Page:                      of:	
		Project:  Designation:		Combination with Tag-No.:	
Sensor	Kind of sensor:				
	Manufacturer:				
	Model number:				
	Range adjusted at: <i>0 - 40 bar</i>				
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of process connection / piping of		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-open gateway		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-tightness		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-mounting material as specified		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check of the wiring in accordance with		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VDE		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Wiring	-IEC / IS		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	-VGB4		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
Loop check carried out		from: <i>PT 71 270</i>			
		till: <i>DPS 2.1.6</i>			
		Accompanying circuit diagram: <i>C 9792 708-1 / 227</i>			
		Accompanying junction box diagram:			
Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0		4	4
	2. <input type="checkbox"/>	25		8	8
	3. <input type="checkbox"/>	50		12	12
	4. <input type="checkbox"/>	75		16	16
	5. <input type="checkbox"/>	100		20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4		
Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed, on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
	2. <input type="checkbox"/> H		<		
	3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<			
Remarks					
Inspector					
Name: <i>Štec Iorif</i>			Date: <i>23.3.06</i>		
Company: <i>Regula Koice a.s.</i>			Signature: <i>Štec</i>		
			(Stamp)		



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: PV 71 270

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

PV 71 270

till:

DPS 2.1.7

Accompanying circuit diagram:

C97 92 705-7 / 227

Accompanying junction box diagram:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

Cvrc Jozef

Date:

29.3.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: FSL 71281

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

OPEN - CLOSE

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

FSL 71281

till:

DPS 2.4.7

Accompanying circuit diagram:

C9792705-1/228

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svec Jozef

Date:

22.5.06

Company:

Pequla Koice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: 41V 73 001

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

0 - 100%

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

41V 73 001

till:

PPS 2.1.10

Accompanying circuit diagramm:

C97 92705-1 / 280

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

4

0

2. ☐

25

8

0,4

8

25

3. ☐

50

12

0,6

12

50

4. ☐

75

16

0,8

16

75

5. ☐

100

20

1,0

20

100

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Remarks

Inspector

Name:

S. J. J. J.

Date:



28.3.06

Company:

Logala kosice a.s.

Signature:

(Stamp)

 <b>AIR LIQUIDE</b>  AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves		TAG - No.: <b>HV 71210</b>					
		Project:		Project-No.:					
		Designation:		Page: of:					
				Combination with Tag-No.:					
Actor	Kind of actor:			Accessory:	Accessory:				
	Manufacturer:								
	Model number:								
	Total range:	<b>OPEN - CLOSED</b>							
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	<input type="checkbox"/> Check on technically right mounting		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	<input type="checkbox"/> Check of process connection / piping of -open gateway		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	thightness		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	- installation material as specified		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	<input type="checkbox"/> Check of the wiring in accordance with -VDE		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	-IEC / IS		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	-BGV-A2 (formerly VGB4)		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals		<input type="checkbox"/> OK <input type="checkbox"/> not OK						
	Loop check carried out from:		<b>HV 71210</b>						
	till:		<b>DPS 2.4.10</b>						
	Accompanying circuit diagram:		<b>C9792705-1 / 233</b>						
Actuator	Check points		% Stroke		Operating signal		% Stroke		
	Rated value		[mA] nominal [bar]		ACTUAL Unit:		ACTUAL		
	1. <input type="checkbox"/>	0	4	0,2					
	2. <input type="checkbox"/>	25	8	0,4					
	3. <input type="checkbox"/>	50	12	0,6					
	4. <input type="checkbox"/>	75	16	0,8					
	5. <input type="checkbox"/>	100	20	1,0					
	6. <input type="checkbox"/>	75	16	0,8					
	7. <input type="checkbox"/>	50	12	0,6					
	8. <input type="checkbox"/>	25	8	0,4					
Moving	9. <input type="checkbox"/>		0	4	0,2				
	0 - 100% Stroke		to OPEN		To CLOSED		Quick closing valve to safety position:		
Remarks			OK		OK				
Inspector		Name: <b>Svee Louf</b>		Date: <b>29.3.06</b>		Signature: 		(Stamp)	
Company:		<b>Degula losice a.s.</b>							



**AIR LIQUIDE****AGS****Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: 412 92 002

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK

Wiring

Loop check carried out	from:	412 92 002
	till:	DPS 2.1.11
Accompanying circuit diagram:		097 92 705-1/234
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	ok
3. <input type="checkbox"/> L		>	OFF	ok
4. <input type="checkbox"/> LL		>		

Remarks

**Inspector**

Name:

Svec Jozef

Date:

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 150 38 FL

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 150 38 FL

till:

DPS 2.6.7

Accompanying circuit diagram:

G 9792 705.1 / 23

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&lt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sveč Juref

Date:

10.4.06

Company:

Regula Kosič a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 15038UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 15038UA  
till: DPS 2.67  
Accompanying circuit diagram: G9792 205-1 / 23  
Accompanying junction box diagram:

Transmitter

Check points	%	Value		Output signal	
		Unit:		RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0			4	
2. <input type="checkbox"/>	25			8	
3. <input type="checkbox"/>	50			12	
4. <input type="checkbox"/>	75			16	
5. <input type="checkbox"/>	100			20	
6. <input type="checkbox"/>	75			16	
7. <input type="checkbox"/>	50			12	
8. <input type="checkbox"/>	25			8	
9. <input type="checkbox"/>	0			4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Srećko Vozel

Date:

10.4.06

Company:

Regula Kosić a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 15038.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 50 ppm CO<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 15038.2

till:

DPS 2.6.3

Accompanying circuit diagram:

C 9792705-7/25

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

8

3. ☐

50

250

12

12

4. ☐

75

16

5. ☐

100

50

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/ mute; etc.

Signal condition  
Binary Input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Iref

Date:

10.4.06

Company:

Regula korice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 15038.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-5 ppm CO<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from: Q 15038.1

till: DPS 2.6.3

Accompanying circuit diagram: G 97 92 705-1 / 23

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	2.5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	5	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Sven Loeff

Date:

10.4.06

Company:

Dequle Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 1503845

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSED		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	thightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	Q 1503845
		till:	DPS 2.6.11
	Accompanying circuit diagramm:	G 97 92 705.1 / 24	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name:

Svec Jolef

Date:

10.4.06

Company:

Dequla Koice a.s.

Signature:

(Stamp)







AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q15 043UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q15 043 UA  
till: D. PS 2.6.7  
Accompanying circuit diagram: C 9992 705.1/25  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA] ACTUAL [mA]
1. <input type="checkbox"/>	0		4
2. <input type="checkbox"/>	25		8
3. <input type="checkbox"/>	50		12
4. <input type="checkbox"/>	75		16
5. <input type="checkbox"/>	100		20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch


Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name: Simec 10.11.06  
Company: Dogača Kosić a.s.

Date: 11.4.06

Signature:   
(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 15043

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm H<sub>2</sub>O

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 15043

till:

DPS 2.6.6

Accompanying circuit diagram:

G 9792 205-1 / 15

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

5

8

12

3. ☐

50

10

12

16

4. ☐

75

10

16

20

5. ☐

100

10

20

20

6. ☐

75

10

16

20

7. ☐

50

10

12

16

8. ☐

25

10

8

16

9. ☐

0

10

4

16

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sve - 1044

Date:

11.4.06

Company:

Dagula bošice a.s.

Signature:

Sve

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 15043HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 15043 HS1

till:

DPS 2.6.7

Accompanying circuit diagram:

C9792 205.1

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Svee boef

Date:

10.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 16 0554A

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 16 0554A

till:

DPS 2.6.10

Accompanying circuit diagram:

G9792705.1 / 27

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed, on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.08

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 16055

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm H<sub>2</sub>O

Installation

- ☐ Check on right locality in accordance with P&I diagram
- ☐ Check on technically right mounting
- ☐ Check of process connection / piping of
- open gateway
- tightness
- mounting material as specified
- ☐ Check of the wiring in accordance with
- VDE
- IEC / IS
- VGB4
- ☐ Check on compliance of explosion proof approvals

- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 16055

till:

DPS 2.6.6

Accompanying circuit diagram:

G 9992 105.1 127

Accompanying junction box diagram:

Transmitter

Check points	%	Value		Output signal	
		Unit:		RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		0	4	4
2. <input type="checkbox"/>	25			8	
3. <input type="checkbox"/>	50		5	12	12
4. <input type="checkbox"/>	75			16	
5. <input type="checkbox"/>	100		10	20	20
6. <input type="checkbox"/>	75			16	
7. <input type="checkbox"/>	50			12	
8. <input type="checkbox"/>	25			8	
9. <input type="checkbox"/>	0			4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 16 055 H S 1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 16 055 H S 1

till:

DPS 2.6.10

Accompanying circuit diagram:

C9792705.1 / 28

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Switch point

Switching condition

Signal condition  
Binary input DCS1. ☐ HH

&gt; rising; &lt; falling

open / closed; on / mute; etc.

2. ☐ H

&gt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&gt;

Inspector

Name:

Söce Josef

Date:

12.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20001.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -thightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20001.1  
till: DPS. 2. G. 3  
Accompanying circuit diagram: C999270J. 1 / 29  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Sven Iord

Date: 12.4.06

Company: Regula kotice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20001 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-heightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 20001 PL1

till:

DPS 2.6.7

Accompanying circuit diagram:

69992705.1 / 29

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svee Sozef

Date:

12.4.08

Company:

Regula Koiice o.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20001UA

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20001 UA  
till: DPS 2.6.7  
Accompanying circuit diagram: Q 9792705.1 / 29  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA] ACTUAL [mA]
1. <input type="checkbox"/>	0		4
2. <input type="checkbox"/>	25		8
3. <input type="checkbox"/>	50		12
4. <input type="checkbox"/>	75		16
5. <input type="checkbox"/>	100		20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Sroć Jozef

Date:

12.4.06

Company:

Regula Kosić e.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20004.2

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	Q 20004.2
	to:	DPS 2.6.3
Accompanying circuit diagram:	G9992705.1/29	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	500	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	1000	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Svec Jozef

Date: 12.4.06

Company: Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20001HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	Q 20001 HS1
	till:	DPS 2.6.7
Accompanying circuit diagram:	G 97 92 705.1 / 30	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA]      ACTUAL [mA]
1. <input type="checkbox"/>	0		4
2. <input type="checkbox"/>	25		8
3. <input type="checkbox"/>	50		12
4. <input type="checkbox"/>	75		16
5. <input type="checkbox"/>	100		20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20005.PL

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20005.PL

till:

DPS 2.6.7

Accompanying circuit diagram:

C 9792 105.1 / 31

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svee Josef

Date:

12.4.06

Company:

Dagala Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20005UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20005UA

till:

DPS 2.6.7

Accompanying circuit diagram:

G9792705-1 / 31

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary Input DCS

1. ☐ HH

&gt;

ON

OK

2. ☐ H

&lt;

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Dietrich

Date:

12.4.06

Company:

Regula Cosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20005.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20005.2

till:

DPS 2.6.3

Accompanying circuit diagram:

G9792705.1 / 3.1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED (mA)

ACTUAL (mA)

1. ☐

0

0

4

4

2. ☐

25

8

3. ☐

50

500

12

12

4. ☐

75

16

5. ☐

100

1000

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ auto; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Košice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20005.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -thightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20005.1  
till: DPS 2.6.3  
Accompanying circuit diagram: G9792705.1/31  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svea Josef

Date:

12.4.06

Company:

Dagula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q20005 HS1

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of☐ OK ☐ not OK

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with☐ OK ☐ not OK

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 20005 HS1

till:

DPS 2.6.7

Accompanying circuit diagram:

Q2792705.1/32

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20011.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100% O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20011.2  
till: DPS 2.6.3  
Accompanying circuit diagram: G7792705.1 / 33  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	50%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/closed; on/off; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svee Juref

Date:

12.4.06

Company:

Regula - Kosice a.s.

Signature:

 (Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20011.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

98 - 100% O<sub>2</sub>

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -heightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20011.1  
till: DPS 2.6.3  
Accompanying circuit diagram: G 97 92 705.1 / 33  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	98%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	99%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20011 PL

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20011 PL

till:

DPS 2.6.8

Accompanying circuit diagram:

G 97 92 705.1 / 33

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

ON

OK

2. ☐ H

&lt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sven Loefer

Date:

12.4.06

Company:

Dagula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20011 HSA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20011 HSA

till:

DPS 2.6.8

Accompanying circuit diagram:

G 92 92 705-1/34

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal  
RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/closed; on/ mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Icosice

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20012.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm N<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	Q 20012.1
	till:	DPS 2.6.4
Accompanying circuit diagram:	G 9792 705.1/35	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	500	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	1000	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svec Josef

Date:

13.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20012UA2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20012UA2  
till: DPS 2.6.P  
Accompanying circuit diagram: Q7792 705-1/36  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/ closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Svec Josef

Date: 13.4.06

Company: Regula Kojice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q20012441

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20012441

till:

DPS 2.B.8

Accompanying circuit diagram:

69792705-1/3C

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary Input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&gt;

Inspector

Name:

Svee Jozef

Date:

13.4.00

Company:

Regula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 2001242

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -heightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 2001242  
till: DPS 2.68  
Accompanying circuit diagram: 69792705.1/36  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open/closed; on/ mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Švec Jozef

Date: 13.4.06

Company: Regula, Košice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20012 UH1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20012 UH1

till:

DPS 2. G. 8

Accompanying circuit diagram:

G 9792705- 1/36

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary Input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Inspector

Name:

Luce Jozef

Date:

13.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q20012 4H

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20012 4H

till:

DPS 2.68

Accompanying circuit diagram:

69772 705.1/30

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

&lt;

ON

OK

2. ☐ H

&gt;

&lt;

OFF

OK

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Iozef

Date:

13.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 20012 US

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSED		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	Q 20012 US
		till:	DPS 2. 6. 11
	Accompanying circuit diagramm:	G 7792 705.1 / 37	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
		[mA] nominal	[bar] ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2	
2. <input type="checkbox"/>	25	8	0,4	
3. <input type="checkbox"/>	50	12	0,6	
4. <input type="checkbox"/>	75	16	0,8	
5. <input type="checkbox"/>	100	20	1,0	
6. <input type="checkbox"/>	75	16	0,8	
7. <input type="checkbox"/>	50	12	0,6	
8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2	

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name: Svec Jozef

Date: 13.4.06

Company: Fogula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20012 HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q 20012 HS1

till:

DPS 2.6.8

Accompanying circuit diagram:

G97 92705.1 / 37

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OL
3. <input type="checkbox"/> L		>	OFF	OE
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

13.4. Štef. Jozef

Date:

13.4.08

Company:

Regula Kosič a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20029 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20029 PL1  
till: DPS 2.6.8  
Accompanying circuit diagram: G 9792 705-1/38  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Svec Jozef

Date: 12.4.06

Company: Regula - Kosice a.s.

Signature: [Signature]

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20029UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20029 UA

till:

DPS 2.6.8

Accompanying circuit diagram:

Q 97-92 705-1/38

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open/ closed; on/ mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

&lt;

ON

OK

2.

☐

H

&gt;

&lt;

OFF

OK

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Sv. Jozef

Date:

12.4.06

Company:

Regula Kojice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20029.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 % O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20 029.2

till:

DPS. 2.6.4

Accompanying circuit diagram:

G 97 92 70J-7 / 3P

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0 %

4

4

2. ☐

25

8

3. ☐

50

50 %

12

12

4. ☐

75

16

5. ☐

100

100 %

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/ closed; on/ mute; etc.

Signal condition

Binary input DCS

1. ☐ HH2. ☐ H3. ☐ L4. ☐ LL

Remarks

Inspector

Name:

Sven 102ef

Date:

12.4.06

Company:

Regula 102ice a.s.

Signature:

Sven

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q20029.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 5 % O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 20029.1

till:

DPS 2.6.4

Accompanying circuit diagram:

67292 705.1 / 38

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0 %

4

4

2. ☐

25

25 %

8

12

3. ☐

50

50 %

12

12

4. ☐

75

75 %

16

20

5. ☐

100

100 %

20

20

6. ☐

75

75 %

16

20

7. ☐

50

50 %

12

20

8. ☐

25

25 %

8

20

9. ☐

0

0 %

4

20

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.08

Company:

Dagula Kosić a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 20029 US

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSED		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	Q 20029 US
		till:	DPS 2.6.11
	Accompanying circuit diagramm:	E 92 92 705-1/39	
	Accompanying junction box diagramm:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name:

Bec Losel

Date:

12.4.06

Company:

Regula Kosić a.s.

Signature:

[Signature]

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 20029 H51

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 20029 H51  
till: DPS 2.6.8  
Accompanying circuit diagram: G77 92 705.1/39  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open/ closed; on/ mule; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Ljuec Louf

Date:

12.4.06

Company:

Regula Kojica a.s

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 21004.2A

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 21004.2A

til:

DPS 2.6.8

Accompanying circuit diagram:

G 7792705.7 / 40

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Switch point

Switching condition

Signal condition  
Binary Input DCS1. ☐ HH

Unit:

&gt; rising; &lt; falling

open / closed; on / mute; etc.

2. ☐ H

&gt;

ON

OK

3. ☐ L

&lt;

OFF

OK

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sven Jozef

Date:

12.4.06

Company:

Logika Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q21004.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 100% O <sub>2</sub>

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram.	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: Q21004.2
		tilt: DPS 2.6.4
	Accompanying circuit diagram:	C97927057140
	Accompanying junction box diagram:	

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	50%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
1. <input type="checkbox"/> HH		> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.06

Company:

Dagula kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 21004.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-5 % O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 21004.1

till:

DPS 2.6.4

Accompanying circuit diagram:

G 9292705.1/40

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0%

4

4

2. ☐

25

8

3. ☐

50

2.5%

12

12

4. ☐

75

16

5. ☐

100

10%

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Juref

Date:

12.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 21004 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 21004 PL1  
till: DPS 2.6.B  
Accompanying circuit diagram: G 97 92 705-1/40  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal
		Unit:	RATED [mA] ACTUAL [mA]
1. <input type="checkbox"/>	0		4
2. <input type="checkbox"/>	25		8
3. <input type="checkbox"/>	50		12
4. <input type="checkbox"/>	75		16
5. <input type="checkbox"/>	100		20
6. <input type="checkbox"/>	75		16
7. <input type="checkbox"/>	50		12
8. <input type="checkbox"/>	25		8
9. <input type="checkbox"/>	0		4

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Loez Josef

Date: 12.4.06

Company: Legula. Koice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 21004HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from: Q 21004 HS1

till: DPS 2.6.8

Accompanying circuit diagram:

G 9792 705-7 / 41

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.06

Company:

Regula Iosice g.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 22011.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm CO<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 22011.2

til:

DPS 2. 6. 13

Accompanying circuit diagram:

G 97 92 705-1 / 42

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

8

3. ☐

50

500

12

12

4. ☐

75

16

5. ☐

100

1000

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary Input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Svee Juref

Date:

12. 4. 08

Company:

Regula . kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 22 011.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100 ppm CO<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 22 011.1

till:

DPS 2.6.13

Accompanying circuit diagram:

6 22 92 705-7/42

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

8

3. ☐

50

50

12

12

4. ☐

75

16

5. ☐

100

100

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sven Loref

Date:

12.4.06

Company:

Regula. Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q22011 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of☐ OK ☐ not OK

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q22011 PL1

till:

DPS 2.6.12

Accompanying circuit diagram:

Q22011 PL1

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&lt;

OFF

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&lt;

OFF

OK

Remarks

Inspector

Name:

Svee Porec

Date:

12.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 22011UA

Project-No.:

Page: of:

Project:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 22 011 UA  
till: DPS 2.6.12  
Accompanying circuit diagram: G 97 92 705-1 / 42  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name: Svec Jozef  
Company: Regula Kosice a.s.

Date: 12.4.08

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 22 011 HS1

Project-No.:

Project:

Page: of:

Designation:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -heightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q 22 011 HS1

till:

DPS. 2. 6. 12

Accompanying circuit diagram:

G 92 92 205-1 / 43

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Svec Jozef

Date:

12.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q23013 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ Check on technically right mounting☐ Check of process connection / piping of

-open gateway

-tightness

-mounting material as specified

☐ Check of the wiring in accordance with

-VDE

-IEC / IS

-VGB4

☐ Check on compliance of explosion proof approvals☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q23013 PL1

till:

DPS. 2. 6. 9

Accompanying circuit diagram:

G 97 92 708-1/99

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary Input DCS

1.

☐

HH

&gt;

&lt;

ON

OK

2.

☐

H

&gt;

&lt;

OFF

OK

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.06

Company:

Regula kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23013UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	Q 23013UA
	tilt:	DPS 2.6.7
Accompanying circuit diagram:		G 92 92 705.1 / 44
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.08

Company:

Regula kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23013.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 23013.2  
till: DPS 2.6.4  
Accompanying circuit diagram: Q 9792 705-1/44  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	500	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	1000	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition: Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Svec Jozef

Date: 12.4.08

Company: Regula tovice a.s.

Signature:

(Stamp)





AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23013.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm O<sub>2</sub>

Installation

- |  |                             |                                  |
|--|-----------------------------|----------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK. |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |

Wiring

Loop check carried out

from:

Q 23013.1

till:

DPS. 2.6.4

Accompanying circuit diagram:

G 37 32 208.1 / 44

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svee Jozef

Date:

12.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 2301345

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

tightness

☐ OK ☐ not OK

- installation material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 2301345

till:

DPS 2. 6. 11

Accompanying circuit diagramm:

G 97 92 705-1 / 45

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Svec Josef

Date:

12.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)





AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23013 HSA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q 23013 HSA

till:

DPS. 2.6.9

Accompanying circuit diagram:

C 9292 705-1/45

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Sven Jorck

Date:

12.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23016 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 23016 PL1  
till: DPS. 2.6.9  
Accompanying circuit diagram: G 9792705.1/46  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Svec Jozef

Date:

13.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23 016 UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q 23 016 UA

till:

DPS 2.6.9

Accompanying circuit diagram:

67792 7051 / 46

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	ok
3. <input type="checkbox"/> L		>	OFF	ok
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Luce Josef

Date:

13.4.08

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 23016.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor	Kind of sensor:	
	Manufacturer:	
	Model number:	
	Range adjusted at:	0 - 100% / 02

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-mounting material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	-VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
-IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
-VGB4	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	Q 23016.2
		tilt:	DPS 2.6.5
	Accompanying circuit diagram:		67792 205.1/46
	Accompanying junction box diagram:		

Transmitter	Check points	%	Value	Output signal	
			Unit:	RATED [mA]	ACTUAL [mA]
	1. <input type="checkbox"/>	0	0%	4	4
	2. <input type="checkbox"/>	25		8	
	3. <input type="checkbox"/>	50	50%	12	12
	4. <input type="checkbox"/>	75		16	
	5. <input type="checkbox"/>	100	100%	20	20
	6. <input type="checkbox"/>	75		16	
	7. <input type="checkbox"/>	50		12	
	8. <input type="checkbox"/>	25		8	
	9. <input type="checkbox"/>	0		4	

Limit value switch	Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
		Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
	1. <input type="checkbox"/> HH		>		
			<		
	2. <input type="checkbox"/> H		>		
			<		
	3. <input type="checkbox"/> L		>		
			<		
	4. <input type="checkbox"/> LL		>		
			<		

Remarks	
---------	--

Inspector

Name: Svec Sorez

Date: 13.4.06

Company: Regula Icosice a.s.

Signature: (Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q23016.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

98 - 100 % / Q2

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q23016.1

till:

DPS 2.6.5

Accompanying circuit diagram:

69792705-1/46

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

98 %

4

4

2. ☐

25

99 %

8

12

3. ☐

50

100 %

12

4. ☐

75

100 %

16

20

5. ☐

100

100 %

20

6. ☐

75

100 %

16

7. ☐

50

100 %

12

8. ☐

25

100 %

8

9. ☐

0

100 %

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

Unit:

&gt;

2. ☐ H

&gt;

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sveć Juref

Date:

13.4.08

Company:

Regula Koice a.s.

Signature:

(Stamp)

 <b>AIR LIQUIDE</b> AGS		<b>Check Sheet of Actuators</b> Proof of Calibration and Checking of Control Valves				TAG - No.: <i>Q 23 016 US</i>			
		Project: _____ Designation: _____				Project-No.: _____ Page: _____ of: _____ Combination with Tag-No.: _____			
Actor	Kind of actor:				Accessory:		Accessory:		
	Manufacturer:								
	Model number:								
	Total range:		<i>OPEN - CLOSED</i>						
Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	<input type="checkbox"/> Check on technically right mounting				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	<input type="checkbox"/> Check of process connection / piping of				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	- open gateway				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	tightness				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	- installation material as specified				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	<input type="checkbox"/> Check of the wiring in accordance with				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	- VDE				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	- IEC / IS				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	- BGV-A2 (formerly VGB4)				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
Wiring	<input type="checkbox"/> Check on compliance of explosion proof approvals				<input type="checkbox"/> OK		<input type="checkbox"/> not OK		
	Loop check carried out				from: <i>Q 23 016 US</i>				
					till: <i>DPS 2.6.11</i>				
	Accompanying circuit diagram:				<i>G 92 92 705-1 / 47</i>				
Actuator	Check points		% Stroke		Operating signal			% Stroke	
			Rated value					ACTUAL	
					[mA] nominal [bar]				
					Unit:				
	1. <input type="checkbox"/>		0		4 0,2				
	2. <input type="checkbox"/>		25		8 0,4				
	3. <input type="checkbox"/>		50		12 0,6				
	4. <input type="checkbox"/>		75		16 0,8				
	5. <input type="checkbox"/>		100		20 1,0				
	6. <input type="checkbox"/>		75		16 0,8				
Moving	0 - 100% Stroke		to OPEN		To CLOSED			Quick closing valve to safety position:	
			<i>OK</i>		<i>OK</i>				
Remarks									
Inspector									
Name: <i>Svec Jozef</i>					Date: <i>13.4.08</i>				
Company: <i>Regula Koice a.s.</i>					Signature: <i>[Signature]</i> (Stamp)				





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q23016 H51

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q23016 H51  
till: DPS 2.69  
Accompanying circuit diagram: 69792705-1/47  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name: Svec Jozef

Date: 13.4.08

Company: Regula, Košice a.s.

Signature:

  
(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 400 11 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 400 11 PL1  
till: DPS 2.6.9  
Accompanying circuit diagram: G 97 92 705.1 / 4P  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		<	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svec Jozef

Date:

13.4.06

Company:

Hegula Kosiice a.s.

Signature:

(Stamp)





AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q40011 4A

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- ☐ Check on right locality in accordance with P&I diagram.
- ☐ Check on technically right mounting
- ☐ Check of process connection / piping of
  - open gateway
  - tightness
  - mounting material as specified
- ☐ Check of the wiring in accordance with
  - VDE
  - IEC / IS
  - VGB4
- ☐ Check on compliance of explosion proof approvals

- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK
- ☐ OK ☐ not OK

Wiring

Loop check carried out from: Q40011 4A  
till: DPS 2.6.9  
Accompanying circuit diagram: C 97-92 205-1/48  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Svec Jozef

Date: 13.4.08

Company: Regula Košice a.s.

Signature: [Signature]

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q40011.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 100% / O<sub>2</sub>

Installation

- |  |                             |                                  |
|--|-----------------------------|----------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK. |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |

Wiring

Loop check carried out	from:	Q 40011.2
	til:	DPS. 2.6.5
Accompanying circuit diagram:	C 92 92 705-1/48	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	50%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Sinc Josef

Date: 13.4.06

Company: Regula Kositice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q400M.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

80 - 100% O<sub>2</sub>

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q400M.1  
till: DPS 2.6.5  
Accompanying circuit diagram: C7792208.1/48  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	80%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	90%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Eva Sorek

Date:

13.4.08

Company:

Regula kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q40011HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q40011HS1

till:

DPS 2.6.9

Accompanying circuit diagram:

E9792205-1/49

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

&lt;

2. ☐ H

&gt;

&lt;

3. ☐ L

&gt;

&lt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Soec Jozef

Date:

13.4.06

Company:

Regula Kovice a.s.

Signature:

(Stamp)





AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 40 012 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF.

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK.☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 40 012 PL1

til:

DPS 2.6.9

Accompanying circuit diagram:

G 97 92 708-1 / SD

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/ mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

&gt;

&gt;

2.

☐

H

&gt;

&gt;

&gt;

3.

☐

L

&gt;

&gt;

&gt;

4.

☐

LL

&gt;

&gt;

&gt;

Remarks

Inspector

Name:

Sven Jozef

Date:

13.4.06

Company:

Regula Kosice

Signature:

[Signature]

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q400124A

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q400124A

till:

DPS.2.6.9

Accompanying circuit diagram:

6 97 92 705-1 / 50

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Jacef

Date:

13.4.06

Company:

Legula Koirice. g.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 40012.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 40012.2

till:

DPS. 2.6.5

Accompanying circuit diagram:

G 9792 705.1/50

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

0

4

4

2.

☐

25

8

3.

☐

50

500

12

12

4.

☐

75

16

5.

☐

100

1000

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/ mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

S. S. S. S.

Date:

13.4.06

Company:

Regula Koice a.s.

Signature:

S. S. S. S.

(Stamp)



AIR LIQUIDE

AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 40012.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-10 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 40012.1  
tilt: DPS 2.6.5  
Accompanying circuit diagram: G 9792 205-1 / 50  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Sano Jeref

Date:

13.4.06

Company:

Regula Koice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 4001245

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSED		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from: Q 4001245
		till: DPS 2.6.11
	Accompanying circuit diagram:	C 97 92 705-1/81
	Accompanying junction box diagram:	

Check points	% Stroke Rated value	Operating signal		% Stroke ACTUAL
		[mA] nominal	[bar]	
1. <input type="checkbox"/>	0	4	0,2	
2. <input type="checkbox"/>	25	8	0,4	
3. <input type="checkbox"/>	50	12	0,6	
4. <input type="checkbox"/>	75	16	0,8	
5. <input type="checkbox"/>	100	20	1,0	
6. <input type="checkbox"/>	75	16	0,8	
7. <input type="checkbox"/>	50	12	0,6	
8. <input type="checkbox"/>	25	8	0,4	
9. <input type="checkbox"/>	0	4	0,2	

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

**Inspector**

Name:

Svea Jozef

Date:

13.4.08

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 40012 HSA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q 40012 HSA

till:

DPS 2.6.9

Accompanying circuit diagram:

G 92 92 205.1 / SA

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

ON

01

2. ☐ H

&lt;

OFF

00

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svea Lorel

Date:

13.11.06

Company:

Dagurk. Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 43 033 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                  |
|--|-----------------------------|----------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK. |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |

Wiring

Loop check carried out from: Q 43 033 PL1  
till: DPS 2.6.10  
Accompanying circuit diagram: C9792 705-1/52  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Güneş İnce

Date: 13.4.06

Company: Değerli Kocice a.ş.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 43033UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q 43033UA  
till: DPS 2.6.10  
Accompanying circuit diagram: G 9292 708-1/82  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch:

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>	ON	OK
		<		
3. <input type="checkbox"/> L		>	OFF	OK
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

Svee Loeff

Date:

15.4.08

Company:

Regula Loeve a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43033.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out	from:	Q43033.2
	til:	DP3 2.6.5
Accompanying circuit diagram:	G 97 92 705.1 / 52	
Accompanying junction box diagram:		

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	500	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	1000	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Svee Soref

Date:

15.4.08

Company:

Regula Kosice a.s.

Signature:

(Stamp)



AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43033.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm O<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q43033.1

till:

DPS 2.6.5

Accompanying circuit diagram:

C 92 92 705.1 / 52

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Svea Jozef

Date:

13.4.08

Company:

Regula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43033 HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out

from:

Q43033 HS1

till:

DPS 2.6.10

Accompanying circuit diagram:

G 92 92 705-1 / 53

Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Sore Jozef

Date:

13.4.06

Company:

Regula kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q43033US

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor	Kind of actor:		Accessory:	
	Manufacturer:			
	Model number:			
	Total range:	OPEN - CLOSE		

Installation	<input type="checkbox"/> Check on right locality in accordance with P&I diagram	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check on technically right mounting	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of process connection / piping of	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- open gateway	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	tightness	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- installation material as specified	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	<input type="checkbox"/> Check of the wiring in accordance with	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- VDE	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- IEC / IS	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
	- BGV-A2 (formerly VGB4)	<input type="checkbox"/> OK	<input type="checkbox"/> not OK
<input type="checkbox"/> Check on compliance of explosion proof approvals	<input type="checkbox"/> OK	<input type="checkbox"/> not OK	

Wiring	Loop check carried out	from:	Q43033US
		till:	DPS 2.6.11
	Accompanying circuit diagram:	G 97 92 705-1/53	
	Accompanying junction box diagram:		

Check points	% Stroke Rated value	Operating signal			% Stroke ACTUAL
		[mA] nominal	[bar]	ACTUAL Unit:	
1. <input type="checkbox"/>	0	4	0,2		
2. <input type="checkbox"/>	25	8	0,4		
3. <input type="checkbox"/>	50	12	0,6		
4. <input type="checkbox"/>	75	16	0,8		
5. <input type="checkbox"/>	100	20	1,0		
6. <input type="checkbox"/>	75	16	0,8		
7. <input type="checkbox"/>	50	12	0,6		
8. <input type="checkbox"/>	25	8	0,4		
9. <input type="checkbox"/>	0	4	0,2		

Moving	0 - 100% Stroke	to OPEN	To CLOSED	Quick closing valve to safety position:
		OK	OK	

Remarks	
---------	--

Inspector

Name:

Svee Jozef

Date:

13.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034.5

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 2 ppm Cn/Hm

Installation

- |  |                             |                                  |
|--|-----------------------------|----------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK. |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |

Wiring

Loop check carried out from: Q43034.5  
till: DPS 2.6.6  
Accompanying circuit diagram: G 9792705-7/54  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	1	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	2	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:	Unit:	> rising; < falling	open/closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Svec Jozef

Date: 13.7.06

Company: Regula Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034.4

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 2 ppm CO.

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 43034.4

till:

DPS 2.6.6

Accompanying circuit diagram:

Q 9792205-1/54

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

0

4

4

2.

☐

25

8

3.

☐

50

1

12

12

4.

☐

75

16

5.

☐

100

2

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary Input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sven Jozef

Date:

13.4.06

Company:

Regula - Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034.3

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-5 ppm CO<sub>2</sub>

Installation

- |  |                             |                                 |
|--|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q43034.2  
till: DPS 2.6.6  
Accompanying circuit diagram: G 9792705.1/54  
Accompanying junction box diagram:

Transmitter

Check points	%	Value Unit:	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	2.5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	5	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value Unit:	Switch point > rising; < falling	Switching condition open / closed; on / mute; etc.	Signal condition Binary Input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>		
3. <input type="checkbox"/> L		<		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Svec Jozef

Date: 13.4.06

Company: Drogula, Kosice

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-10 ppm  $N_2$ 

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034.2

till:

DPS. 2.6.6

Accompanying circuit diagram:

G 97 92705-7154

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
		<		
2. <input type="checkbox"/> H		>		
		<		
3. <input type="checkbox"/> L		>		
		<		
4. <input type="checkbox"/> LL		>		
		<		

Remarks

Inspector

Name:

L. K. Lorel

Date:

13.4.06

Company:

Legula Kosice a.s.

Signature:

L. K. Lorel

(Stamp)





AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm H<sub>2</sub>

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q43034.1  
till: DPS.2.G.C  
Accompanying circuit diagram: 692 92 705-1/154  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	0	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	5	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	10	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/ closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	OK	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name: Svec Josef

Date: 13.4.06

Company: Legula Kovice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q4303403

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -heightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q4303403  
til: DPS. 2. 6. 10  
Accompanying circuit diagram: G 2292705-1/55  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	Unit:	4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
Unit:		> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name:

Sveta Jozef

Date:

13. 4. 06

Company:

Logu la. Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q45034U2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on technically right mounting                    | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of process connection / piping of                | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -open gateway   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -tightness  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -mounting material as specified   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check of the wiring in accordance with                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VDE  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| -VGB4   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |
| <input type="checkbox"/> Check on compliance of explosion proof approvals       | <input type="checkbox"/> OK | <input type="checkbox"/> not OK |

Wiring

Loop check carried out from: Q43034U2  
tilt: DPS 2.6.10  
Accompanying circuit diagram: G 9292705-1/JS  
Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Línea Jozef

Date:

13.4.06

Company:

Regula Košice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034U1

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034U1

till:

DPS 2.6.10

Accompanying circuit diagram:

G 92 92 205 / 15

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Gree Jozef

Date:

13.4.06

Company:

Regula Koice e.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034UH

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-thightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q43034UH

till:

DPS 2.6.10

Accompanying circuit diagram:

E 9792 705.1/55

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

&lt;

OFF

OK

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

C. Jozef

Date:

13.4.06

Company:

Doğula. Kocice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034UA1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK.☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034UA1

till:

DPS. 2. 6. 10

Accompanying circuit diagram:

G 97 92 705- 1/85

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

ON

OK

3.

☐

L

&gt;

OFF

OK

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svee Jozef

Date:

13.4.08

Company:

Legula Kosice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034 U5

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034 U5

till:

DPS 2.6.10

Accompanying circuit diagram:

G 92 92 705-1/55

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

&lt;

3.

☐

L

&gt;

&lt;

OFF

OK

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Svee Jovaf

Date:

13.4.06

Company:

Regula. Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q4303444

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK ☐ not OK☐ Check on technically right mounting☐ OK ☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK ☐ not OK

-tightness

☐ OK ☐ not OK

-mounting material as specified

☐ OK ☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK ☐ not OK

-IEC / IS

☐ OK ☐ not OK

-VGB4

☐ OK ☐ not OK☐ Check on compliance of explosion proof approvals☐ OK ☐ not OK

Wiring

Loop check carried out

from:

Q4303444

til:

DPS. 2.6.10

Accompanying circuit diagram:

G9792705-1/55

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&lt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Sven Isak

Date:

13.4.06

Company:

Regula. Kossice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034UA2

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 43034UA2

til:

DPS 2.6.10

Accompanying circuit diagram:

C 9792 705-1/55

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

OFF

OK

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Sven Loez

Date:

13.4.06

Company:

Regula - Käsice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034 HSA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-heightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034 HSA

till:

DPS 2.6.10

Accompanying circuit diagram:

E 9792 205-1/56

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Sven Jozef

Date:

13.4.08

Company:

Logula Kotice a.s.

Signature:

(Stamp)



**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

## Proof of Calibration

### and Checking of Control Valves

TAG - No.: Q43034US

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

- open gateway

☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

- VDE

☐ OK☐ not OK

- IEC / IS

☐ OK☐ not OK

- BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 43034US

till:

DPS 2.6.11

Accompanying circuit diagramm:

G 9792 705-1/56

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Svee Josef

Date:

13.4.06

Company:

Regula Kovic e.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

# Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q64051.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Kind of sensor:  
Manufacturer:  
Model number:  
Range adjusted at:

98 - 100% O<sub>2</sub>

- |   |  |                                 |                                 |
|---|--|---------------------------------|---------------------------------|
| Installation  | <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | -open gateway  | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | -tightness   | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | -mounting material as specified  | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
|   | -VDE   | <input type="checkbox"/> OK     | <input type="checkbox"/> not OK |
| -IEC / IS   | <input type="checkbox"/> OK  | <input type="checkbox"/> not OK |                                 |
| -VGB4   | <input type="checkbox"/> OK  | <input type="checkbox"/> not OK |                                 |
| <input type="checkbox"/> Check on compliance of explosion proof approvals | <input type="checkbox"/> OK  | <input type="checkbox"/> not OK |                                 |

Loop check carried out from: Q64051.1  
to: DPS. 2.6.13  
Accompanying circuit diagram: G9792705-1/57  
Accompanying junction box diagram:

Check points	%	Value	Output signal	
			RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0	98%	4	4
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50	99%	12	12
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100	100%	20	20
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open / closed; on / mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		<		
3. <input type="checkbox"/> L		>		
4. <input type="checkbox"/> LL		<		

Remarks

Inspector

Name: Sere Jozef  
Company: Leguša Novice a.s.

Date: 13.4.08

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q64051

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0-100% O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q64051.2

till:

DPS 2.8.15

Accompanying circuit diagram:

C 97 92 208-1/57

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0%

4

4

2. ☐

25

8

3. ☐

50

50%

12

12

4. ☐

75

16

5. ☐

100

100%

20

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off mute; etc.

Signal condition  
Binary input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

3. ☐ L

&lt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Süve Jozsef

Date:

13.4.08

Company:

Baqula - Kosice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 64 051 UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 64 051 UA

till:

DPS 2.6.12

Accompanying circuit diagram:

G 77 92 708-1/57

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

ON

OK

3.

☐

L

&gt;

OFF

OK

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Luce Jozef

Date:

13.7.08

Company:

Regula Koice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q64051 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q64051 PL1

til:

DPS 2.6.12

Accompanying circuit diagram:

G 9792 208-1/57

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

OFF

OK

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svee Josef

Date:

13.4.06

Company:

Regula - Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: QG4051 H51

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

QG4051 H51

til:

DPS. 2. G. 12

Accompanying circuit diagram:

G 9792705-1/JSB

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

ON

OK

3.

☐

L

&gt;

OFF

OK

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Luce Josef

Date:

13.4.06

Company:

Regula. Kessie a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q74090.1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 10 ppm O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q74090.1

till:

DPS. 2. 6.13

Accompanying circuit diagram:

C 7792 208-1/59

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

0

4

4

2. ☐

25

5

8

12

3. ☐

50

10

12

20

4. ☐

75

10

16

20

5. ☐

100

10

20

20

6. ☐

75

10

16

20

7. ☐

50

10

12

20

8. ☐

25

10

8

20

9. ☐

0

10

4

20

Limit value switch

Limit value character

Adjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open closed; onl mute; etc.Signal condition  
Binary Input DCS1. ☐ HH

Unit:

&gt;

open closed; onl mute; etc.

Signal condition

2. ☐ H

Unit:

&gt;

open closed; onl mute; etc.

Signal condition

3. ☐ L

Unit:

&gt;

open closed; onl mute; etc.

Signal condition

4. ☐ LL

Unit:

&gt;

open closed; onl mute; etc.

Signal condition

Remarks

Inspector

Name:

Svec Josef

Date:

13.4.06

Company:

Bequa / KOSICE a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q74090.2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

0 - 1000 ppm O<sub>2</sub>

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q74090.2

till:

DPS 2.6.13

Accompanying circuit diagram:

G9222705.1/59

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

0

4

4

2.

☐

25

8

3.

☐

50

500

12

12

4.

☐

75

16

5.

☐

100

1000

20

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition  
Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

3.

☐

L

&gt;

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Svee Soref

Date:

13.4.09

Company:

Dequla Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q 74090UA

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 74090UA

till:

DPS. 2.6.12

Accompanying circuit diagram:

C 9292705-1/59

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open / closed; on / mute; etc.

Signal condition

Binary input DCS

1.

☐

HH

&gt;

2.

☐

H

&gt;

ON

OK

3.

☐

L

&gt;

OFF

OK

4.

☐

LL

&gt;

Remarks

Inspector

Name:

Eva Jozef

Date:

13.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Sensors**Proof of Calibration  
and Checking of Sensors

TAG - No.: Q74090 PL1

Project-No.:

Page: of:

Combination with Tag-No.:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q74090 PL1

till:

DPS. 2. 6. 12

Accompanying circuit diagram:

G 9292705-1/89

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Output signal

Unit:

RATED [mA]

ACTUAL [mA]

1.

☐

0

4

2.

☐

25

8

3.

☐

50

12

4.

☐

75

16

5.

☐

100

20

6.

☐

75

16

7.

☐

50

12

8.

☐

25

8

9.

☐

0

4

Limit value switch

Limit value  
characterAdjusted limit value  
Unit:Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary input DCS

1.

☐

HH

&gt;

ON

OK

2.

☐

H

&gt;

&lt;

OFF

OK

3.

☐

L

&gt;

&lt;

4.

☐

LL

&gt;

&lt;

Remarks

Inspector

Name:

Luce Jozef

Date:

13.4.08

Company:

Dagula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q74090HS1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q74090 HS1

till:

DPS 2.6.12

Accompanying circuit diagram:

G 9792 705-7/60

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary Input DCS1. ☐ HH

&gt;

2. ☐ H

&gt;

ON

OK

3. ☐ L

&gt;

OFF

OK

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Lec 1020f

Date:

13.4.06

Company:

Regula Kosice a.s.

Signature:

(Stamp)

**AIR LIQUIDE**

AGS

**Check Sheet of Actuators**Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q74090 US1

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN - CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of - open gateway☐ OK☐ not OK

tightness

☐ OK☐ not OK

- installation material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with -VDE☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-BGV-A2 (formerly VGB4)

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q74090 US1

till:

DPS 2.6.11

Accompanying circuit diagramm:

G9792805-1/60

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1. ☐

0

4

0,2

2. ☐

25

8

0,4

3. ☐

50

12

0,6

4. ☐

75

16

0,8

5. ☐

100

20

1,0

6. ☐

75

16

0,8

7. ☐

50

12

0,6

8. ☐

25

8

0,4

9. ☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

Ok

Ok

Remarks

Inspector

Name:

Evel Jozef

Date:

13.4.06

Company:

Regula Kosić a.s.

Signature:

Evel

(Stamp)



**AIR LIQUIDE**

AGS

# Check Sheet of Actuators

Proof of Calibration  
and Checking of Control Valves

TAG - No.: Q 74090 US2

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Actor

Kind of actor:

Accessory:

Accessory:

Manufacturer:

Model number:

Total range:

OPEN-CLOSED

Installation

☐ Check on right locality in accordance with P&I diagram☐ Check on technically right mounting☐ Check of process connection / piping of

-open gateway

tightness

- installation material as specified

☐ Check of the wiring in accordance with

-VDE

-IEC / IS

-BGV-A2 (formerly VGB4)

☐ Check on compliance of explosion proof approvals☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q 74090 US2

till:

DPS 2.6.11

Accompanying circuit diagramm:

C 9792 705-1/60

Accompanying junction box diagramm:

Actuator

Check points

% Stroke

Rated value

Operating signal

[mA] nominal [bar]

ACTUAL Unit:

% Stroke

ACTUAL

1.

☐

0

4

0,2

2.

☐

25

8

0,4

3.

☐

50

12

0,6

4.

☐

75

16

0,8

5.

☐

100

20

1,0

6.

☐

75

16

0,8

7.

☐

50

12

0,6

8.

☐

25

8

0,4

9.

☐

0

4

0,2

Moving

0 - 100% Stroke

to OPEN

To CLOSED

Quick closing valve to  
safety position:

OK

OK

Remarks

Inspector

Name:

Sven Jaref

Date:

13.4.08

Company:

Regula Kosice a.s.

Signature:



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: Q43034PLL

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

Q43034 PLL

till:

DPS 2.6.7

Accompanying circuit diagram:

C77927DS-1/62

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

Output signal

RATED [mA]

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point

&gt; rising; &lt; falling

Switching condition

open/closed; on/off mute; etc.

Signal condition

Binary input DCS

1. ☐ HH

&gt;

ON

OK

2. ☐ H

&lt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&lt;

Remarks

Inspector

Name:

Svec Jozef

Date:

13.4.02

Company:

Regula Kosice a.s.

Signature:

(Stamp)





AIR LIQUIDE

AGS

Check Sheet of Sensors  
Proof of Calibration  
and Checking of Sensors

TAG - No.: UH 94 015

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

☐ Check on right locality in accordance with P&I diagram.☐ OK☐ not OK☐ Check on technically right mounting☐ OK☐ not OK☐ Check of process connection / piping of

-open gateway

☐ OK☐ not OK

-tightness

☐ OK☐ not OK

-mounting material as specified

☐ OK☐ not OK☐ Check of the wiring in accordance with

-VDE

☐ OK☐ not OK

-IEC / IS

☐ OK☐ not OK

-VGB4

☐ OK☐ not OK☐ Check on compliance of explosion proof approvals☐ OK☐ not OK

Wiring

Loop check carried out

from:

UH 94 015

til:

DPS 2.6.12

Accompanying circuit diagram:

C 9792705-1/63

Accompanying junction box diagram:

Transmitter

Check points

%

Value

Unit:

RATED [mA]

Output signal

ACTUAL [mA]

1. ☐

0

4

2. ☐

25

8

3. ☐

50

12

4. ☐

75

16

5. ☐

100

20

6. ☐

75

16

7. ☐

50

12

8. ☐

25

8

9. ☐

0

4

Limit value switch

Limit value character

Adjusted limit value

Unit:

Switch point  
> rising; < fallingSwitching condition  
open / closed; on / mute; etc.Signal condition  
Binary Input DCS1. ☐ HH

&gt;

ON

OK

2. ☐ H

&gt;

OFF

OK

3. ☐ L

&gt;

4. ☐ LL

&gt;

Remarks

Inspector

Name:

Spec Lowf

Date:

13.4.08

Company:

Regula Koice a.s.

Signature:

(Stamp)



AIR LIQUIDE

AGS

## Check Sheet of Sensors

Proof of Calibration  
and Checking of Sensors

TAG - No.: UH 94 023

Project-No.:

Page: of:

Combination with Tag-No.:

Project:

Designation:

Sensor

Kind of sensor:

Manufacturer:

Model number:

Range adjusted at:

ON - OFF

Installation

- |  |                             |                                  |
|--|-----------------------------|----------------------------------|
| <input type="checkbox"/> Check on right locality in accordance with P&I diagram. | <input type="checkbox"/> OK | <input type="checkbox"/> not OK. |
| <input type="checkbox"/> Check on technically right mounting                     | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of process connection / piping of                 | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -open gateway  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -tightness   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -mounting material as specified  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check of the wiring in accordance with                  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VDE   | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -IEC / IS  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| -VGB4  | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |
| <input type="checkbox"/> Check on compliance of explosion proof approvals        | <input type="checkbox"/> OK | <input type="checkbox"/> not OK  |

Wiring

Loop check carried out

from:

UH 94 023

tilt:

DPS. 2. C. 12

Accompanying circuit diagram:

G 9792705-1/64

Accompanying junction box diagram:

Transmitter

Check points	%	Value	Output signal	
		Unit:	RATED [mA]	ACTUAL [mA]
1. <input type="checkbox"/>	0		4	
2. <input type="checkbox"/>	25		8	
3. <input type="checkbox"/>	50		12	
4. <input type="checkbox"/>	75		16	
5. <input type="checkbox"/>	100		20	
6. <input type="checkbox"/>	75		16	
7. <input type="checkbox"/>	50		12	
8. <input type="checkbox"/>	25		8	
9. <input type="checkbox"/>	0		4	

Limit value switch

Limit value character	Adjusted limit value	Switch point	Switching condition	Signal condition
	Unit:	> rising; < falling	open/closed; on/ mute; etc.	Binary input DCS
1. <input type="checkbox"/> HH		>		
2. <input type="checkbox"/> H		>	ON	OK
3. <input type="checkbox"/> L		>	OFF	OK
4. <input type="checkbox"/> LL		>		

Remarks

Inspector

Name:

Sven Jacef

Date:

13.4.08

Company:

Regula Isola

Signature:

(Stamp)