

Customer : AREVA Sachsenwerk GmbH  
Order No. : 4500191205 v. 28.04.05 Pos. 100

Berlin, 13.06.05

## Test Certificate

3 Current transformers, Type CT 12  
FB-No. 201017434/100  
Serial No. 05/5107501 to 05/5107503

Class of insulation T70/E  
Insulation level [kV] 12/28/75  
Rated short-time thermal current  $I_{th}$  [kA] 50 3s  
Rated frequency [Hz] 50  
Rated dynamic current  $I_{dyn}$  [kA] 120

Core	1	2	3
Rated ratio [A/A]	1250/ 1	1250/ 1	1250/ 1
Rated output [VA]	15	15	15
Accuracy class	0.2	1	10P
Instrument security factor	FS5	FS5	-
Accuracy limit factor	-	-	10

According to the rules for instrument transformers: IEC 60044-1

Terminal markings were found to be correct.

The current transformers withstood the high-voltage test.

- Power-frequency test on primary winding / busbar : passed
- Power-frequency test on secondary windings : passed
- Inter turn test : passed
- Partial discharge test : passed

The results of the accuracy test, performed after demagnetization, comply with the limits of error for the respective accuracy class.

For results of accuracy test please see page 2 - 4

Date of test: 13.06.2005

Instrument transformer test room

by order Krause

**Serial No. 05 / 5107501**

Fb.No. 201017434/100

Core 1		1.Rated ratio 1250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I <sub>N</sub>		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.06	-01.06						
1.00		-00.08	-00.78	+00.07	+02.10				
0.20		-00.17	+02.10						
0.05		-00.25	+03.71						

Core 2		1.Rated ratio 1250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I <sub>N</sub>		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.22	-00.93						
1.00		-00.23	-00.54	-00.09	+02.20				
0.20		-00.32	+01.96						
0.05		-00.40	+03.47						

Core 3		1.Rated ratio 1250/ 1							
		15VA; PF0.8							
I / I <sub>N</sub>		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.08	-00.06						

**Serial No. 05 / 5107502**

Fb.No. 201017434/100

Core 1		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.20		-00.06	-00.93						
1.00		-00.07	-00.66			+00.08	+01.91		
0.20		-00.17	+02.08						
0.05		-00.24	+03.62						

Core 2		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.20		-00.26	-00.35						
1.00		-00.27	-00.54			-00.10	+02.64		
0.20		-00.36	+02.99						
0.05		-00.44	+05.03						

Core 3		1.Rated ratio 1250/ 1							
		15VA; PF0.8							
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.00		-00.08	+00.00						

**Serial No. 05 / 5107503**

Fb.No. 201017434/100

Core 1		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.20		-00.09	-00.73						
1.00		-00.10	-00.73			+00.05	+02.78		
0.20		-00.21	+02.88						
0.05		-00.29	+05.14						

Core 2		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.20		-00.24	-01.03						
1.00		-00.25	-00.91			-00.16	+04.24		
0.20		-00.35	+02.40						
0.05		-00.43	+04.44						

Core 3		1.Rated ratio 1250/ 1							
		15VA; PF0.8							
I / I <sub>N</sub>		F [%]	D [min]			F [%]	D [min]		
1.00		-00.08	-00.06						