

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 150

Berlin, 23.06.05

Test Certificate

9 Voltage transformers, Type EYE10b
FB-No. 201017434/150
Serial No. 05/5106801 to 05/5106809

Primary winding

Class of insulation T52/E
Insulation level [kV] 12/28/75
Rated primary voltage [V] 6300: $\sqrt{3}$
Rated voltage factor 1.9xU_N (8h)
Rated frequency [Hz] 50

Secondary winding

	1	Auxiliary
Rated secondary voltage [V]	100: $\sqrt{3}$	100:3
Rated output [VA]	30	100
Accuracy class	0.2	3P
Secondary thermal limiting current [A]	8	-
Rated long time current of residual voltage winding [A]	-	6

According to the rules for instrument transformers: IEC 60044-2

The voltage transformers withstood the high-voltage test :

- Power frequency voltage withstand test on primary winding
3kV, 50Hz, 1 min.
- Power frequency voltage withstand test on secondary windings and between sections
3kV, 50Hz, 1 min.
- Induced voltage withstand test (inter-turn test by exciting the secondary winding)
250Hz, 24 sec. (acc. IEC 60044-2 clause 9.2.1)
- Partial discharge measurement (combined with induced voltage withstand test according to 'procedure A', IEC 60044-2 clause 9.2.4.2)
30 sec. background noise < 2pC

Terminal markings were found to be correct.

The voltage transformers comply with the limits of error for the respective accuracy class.

For results of accuracy test please see page 2 - 10.

Date of test: 17.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5106801

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.12	-00.25	-00.12	+00.54		
1.0	+00.12	+00.31	-00.12	+01.10	+00.07	+02.07
1.2	+00.10	+01.19	-00.14	+01.93		

Serial No. 05 / 5106802

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.13	-00.14	-00.13	+00.97		
1.0	+00.12	+00.38	-00.14	+01.61	+00.07	+02.14
1.2	+00.10	+01.19	-00.16	+02.40		

Serial No. 05 / 5106803

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.12	-00.02	-00.14	+01.34		
1.0	+00.12	+00.50	-00.14	+01.57	+00.07	+02.08
1.2	+00.11	+01.29	-00.16	+02.91		

Serial No. 05 / 5106804

Fb.No.201017434/150

Sec. winding Rated ratio	1 6300:√3/100:√3V				Auxiliary 6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.12	-00.23	-00.13	+00.56		
1.0	+00.12	+00.33	-00.14	+01.13	+00.07	+02.13
1.2	+00.10	+01.26	-00.15	+01.91		

Serial No. 05 / 5106805

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.12	+00.14	-00.12	+01.45		
1.0	+00.11	+01.12	-00.13	+02.07	+00.06	+02.61
1.2	+00.09	+02.39	-00.16	+03.43		

Serial No. 05 / 5106806

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.12	+00.09	-00.13	+01.21		
1.0	+00.12	+00.66	-00.13	+01.73	+00.07	+02.22
1.2	+00.11	+01.42	-00.15	+02.66		

Serial No. 05 / 5106807

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.11	+00.20	-00.15	+01.50		
1.0	+00.11	+00.81	-00.16	+02.24	+00.07	+02.26
1.2	+00.09	+01.73	-00.17	+03.13		

Serial No. 05 / 5106808

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.13	+00.29	-00.12	+02.47		
1.0	+00.12	+01.10	-00.13	+03.34	+00.06	+02.52
1.2	+00.09	+02.54	-00.17	+04.96		

Serial No. 05 / 5106809

Fb.No.201017434/150

Sec. winding	1				Auxiliary	
Rated ratio	6300:√3/100:√3V				6300:√3/100:3V	
	7.5VA ; PF 0.8		30VA ; PF 0.8		0 VA ; PF 1	
U / U _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
0.8	+00.10	+00.16	-00.14	+01.12		
1.0	+00.10	+00.80	-00.15	+01.78	+00.04	+02.35
1.2	+00.08	+01.81	-00.16	+02.73		