

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 050

Berlin, 13.06.05

Test Certificate

6 Voltage transformers, Type EYE10b
FB-No. 201017434/050
Serial No. 05/5106501 to 05/5106506

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 - 7.

Date of test: 09.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5106501

Fb.No.201017434/050

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	-00.12	-00.11	+00.62		
1.0	+00.13	+00.36	-00.11	+01.13	+00.07	+01.94
1.2	+00.12	+01.33	-00.12	+01.78		

Serial No. 05 / 5106502

Fb.No.201017434/050

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	-00.06	-00.11	+00.73		
1.0	+00.12	+00.47	-00.11	+01.32	+00.06	+01.99
1.2	+00.11	+01.19	-00.13	+02.09		

Serial No. 05 / 5106503

Fb.No.201017434/050

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	-00.10	-00.11	+00.63		
1.0	+00.13	+00.38	-00.11	+01.27	+00.07	+01.91
1.2	+00.11	+01.18	-00.13	+02.08		

Serial No. 05 / 5106504

Fb.No.201017434/050

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	+00.14	+00.13	-00.10	+01.16	
1.0	+00.13	+00.65	-00.10	+01.82	+00.07 +02.17
1.2	+00.12	+01.68	-00.11	+02.62	

Serial No. 05 / 5106505

Fb.No.201017434/050

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	-00.18	-00.10	+00.76		
1.0	+00.13	+00.40	-00.11	+01.36	+00.07	+01.96
1.2	+00.12	+01.12	-00.12	+02.17		

Serial No. 05 / 5106506

Fb.No.201017434/050

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	+00.14	+00.01	-00.11	+00.87		
1.0	+00.13	+00.38	-00.11	+01.45	+00.07	+01.92
1.2	+00.12	+01.19	-00.13	+02.45		