

GF106T

CT/PT Analyzer

It is mainly used for field testing of P class CT and PT. The test items mainly include excitation characteristic, transformation ratio, polarity, degauss, 5% and 10% error curves, secondary circuit check, withstand test of power frequency alternating current and secondary load. Adopting LCD, self-equipped mini type printer supporting field printing; supporting to use USB flash disk to dump data, with simple and convenient operation.



Function

I. Current Transformer (CT)	II. Voltage Transformer (PT)
1. Magnetization curve	1. Excitation characteristic test
2. Transformation ratio test	2. Transformation ratio test
3. Polarity	3. Polarity
4. 5% and 10% error curve	4. Withstand test of power frequency alternating current
5. Current Injecting	5. Degauss
6. Degauss	6. Calculation of knee point value
7. Withstand test of power frequency alternating current	7. Actual secondary load test
8. Automatic calculation of excitation knee point value	8. Resistance test
9. Actual secondary load test	
10. Resistance test	

Parameters

Electrical parameters	
Accuracy	0.2%, 0.5%
Power supply	AC 220V±10% or AC 110V±10%, 50/60Hz
Excitation voltage output	0-2500Vrms,
Excitation current output	0-5Arms (20A peak-value)
Large current output	0-1000A

Electrical parameters - continued

Accuracy		$\leq 0.5\%$ (0.2%RD+0.3%RG)
Secondary winding DC resistance measurement	Range	0.1-300 Ω
	Accuracy	$\leq 0.5\%$ (0.2%RD+0.3%RG)
Secondary actual load measurement	Range	5VA-1000VA
	Accuracy	$\leq 0.5\%$ (0.2%RD+0.3%RG) $\pm 0.1VA$
CT/PT phase error measurement	Accuracy	$\pm 4min$
	Resolution	0.01min
CT ratio error measurement	Range	$\leq 25000A/5A(5000A/1A)$
	Accuracy	$\leq 0.5\%$
PT ratio error measurement	Range	1-500KV
	Accuracy	$\leq 0.5\%$

Standards

Reference standards	GB1207-2006, GB1208-2006, GB16847-1997 IEC60044-1, IEC60044-6, IEC61869-2-2012
Safety standards	GB 4793.1-2007
EMC	EMC standard 89/336/EEC
	FCC Subpart B of Part 15 Class A
	IEC 1000-4-2 /3 /4 /6

Mechanical parameters

Overall dimension (L x W x H) (mm)	400 x 250 x 250
Weight (kg)	≤ 22

Environmental conditions

Relative humidity	90RH%
Operating temperature	-10°C to +40°C
Altitude	$\leq 1000m$