

GF1061PT

Portable Voltage transformer tester

GF1061PT is the first portable device (4.8 kg) which offers highly accurate voltage transformer tests. This allows to use GF1061PT not only for electrical performance checks, but also for class verification and calibration. It performs quick tests of all kinds of inductive voltage transformers (VTs or PTs) and capacitive voltage transformers (CVTs) for both protection and metering purposes. Its lightweight



design makes it ideal for on-site tests and calibration tasks in power system grids. As a manufacturer or testing lab you can use GF1061PT in your production facilities and test/development labs. It can finish the measurements (M) and protection (P) class PT. Adopt 7 inch touch TFT color LCD, self-equipped mini type printer supporting field printing; supporting to use USB flash disk to dump data. The GF1061PT portable PT tester is the most complete and easy-to-use testing system for PTs according to IEEE and IEC standards.

Reference Standard

IEC 60044, ANSI/ IEEE C57.13, IEC61869, GB 1207-2006

Features

1. Tests of various types of measurement and protection VTs and CVTs
2. The use of advanced power technology, the test knee point reaches up to 80kV
3. No external other auxiliary equipment, stand-alone to complete all test items
4. Tests such as ratio, phase, polarity, capacitive ratio
5. PT test, easy to test, all the tests are using the same wire connection except the load test
6. It carries with thermal printer, printing test results on site
7. Parameters such as knee point current and voltage
8. Parameters such as 10% error curve, 5% error curve
9. With battery, working one week.
10. The device can store 10000 groups of test data which would not be lost if the device is power off.
11. The data can be displayed and analyzed after the test, or transferred to PC through USB disk and produce a Word or PDF file report
12. Portability: weight 4.8kg, the best light pt analyzer

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Main function

II. Voltage Transformer (PT)

1. Excitation characteristic test
2. Transformation ratio test
3. Polarity
4. Ratio error, phase error
5. Degauss
6. Calculation of knee point value
7. Actual secondary load test (burden test)
8. Resistance test

Parameters

Electrical parameters

Accuracy		0.02%
Power supply		AC 220V±10% or AC 120V±10%, 50/60Hz or Battery
Output voltage		0-100Vrms
Output current		0-5Arms (20A peak-value)
Output power		0-400 VA (1500 VApeak)
Automatic frequency variation range		0.1-60Hz
Equivalent excitation voltage		≤5000V/50KV
Accuracy		≤0.5%
Secondary winding DC resistance measurement	Range	0.1-1000Ω
	Accuracy	≤0.05%
Secondary actual load measurement	Range	5VA-1000VA
	Accuracy	≤0.5%±0.1VA
PT phase error measurement	Accuracy	±1min (typical) / 3 min (guaranteed)
	Resolution	0.1min
PT ratio error measurement	Range	1-15000
	Accuracy	≤0.05%
LCD display		7' inch TFT touch color LCD
Communication port		USB port
Printer		Yes, Thermal printer

Standards

Reference standards	GB1207-2006, GB1208-2006, GB16847-1997 IEC60044-1, IEC60044-6, IEC61869, ANSI/IEEE C57.13
Safety standards	GB 4793.1-2007

Standards - continued

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)	280 x 250 x 160
Weight (kg)	≤ 4.8

Environmental conditions

Relative humidity	Relative humidity 5%-95% not condensing
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +70°C
Altitude	≤ 1000m

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