

GF1061CVT

PORTABLE CAPACITOR VOLTAGE TRANSFORMER TESTER

GF1061CVT portable capacitor voltage transformer tester is mainly used for field or lab testing, it applied different frequency test power source, finish the measurements (M) and protection (P) class capacitor voltage transformer. Adopt 7 inch touch TFT LCD, self-equipped mini type printer supporting field printing; supporting to use USB flash disk to download data or RS232 port to PC control. This model GF1061CVT tester is the most complete and easy-to-use testing system for protection and metering CTs according to IEEE C57.13 and IEC60044 & IEC61869 standards. It can test less than 1000KV CVT, ratio, ratio error, phase error, polarity, burden, DC resistance etc. This tester operate simply, convenient and stable and reliable, it has been applied many in electricity power utility, power plant and so on.

Features

1. High precision class 0.05S;
2. 7 inch color touch TFT LCD;
3. Data storage 10000groups;
4. CVT Test Range up to 1000KV;
5. With battery function optional;
6. Download word/PDF test report;
7. Easy to operate, test error quickly;
8. The best light CT analyzer-only 5KG;
9. IEC61869-5/IEC60044-5/IEEE C57.13;
10. Test CVT all parameter in one minute;
11. Programmable control by PC computer;
12. Built in class 0.01 high precision standard ct;
13. Adopt different frequency test power source;
14. Test the voltage dividing capacitance ratio of CVT;
15. Built in 0.01% high precision standard transformer;



Application

1. Power plant;
2. Electrical laboratory;
3. Electricity power utilities;
4. Railway electric company;
5. Metrological service center;
6. ISO17025 electrical laboratory;
7. Electricity power bureau & power company;
8. National Metrology and testing department;
9. Power engineering commissioning company;
10. Current transformer and voltage transformer factory;
11. Electrical Department of industrial and mining enterprises;

Parameters

Electrical parameters

Accuracy		0.05S
Power supply		AC 100-265V, 50/60Hz or Battery
Output voltage		0-3KVrms
Output current		0-5Arms (20A peak-value)
Output power		0-400 VA (1500 VApeak)
Automatic frequency variation range		0.1-60Hz
Secondary winding DC resistance measurement	Range	0.1-1000Ω
	Accuracy	≤0.05%
Secondary actual load measurement	Range	0.1VA-1000VA
	Accuracy	≤0.05%±0.1VA
CVT phase error measurement	Accuracy	±1min (typical) / 3 min (guaranteed)
	Resolution	0.1min
CVT ratio error measurement	Range	35KV/√3/0.1/√3, 66KV/√3/0.1/√3, 110KV/√3/0.1/√3, 220KV/√3/0.1/√3, 330KV/√3/0.1/√3, 500KV/√3/0.1/√3, 765KV/√3/0.1/√3
	Accuracy	≤0.05S
Measurable Windings		one(Standard); three (optional)
LCD display		7' inch TFT touch color LCD
Cable Length		Primary 5m; Secondary 5m; others customized
Communication port		USB, RS232, WIFI
PC control software		Yes, Optional
Printer		Yes, Thermal printer

Standards

Reference standards	GB1207-2006, GB1208-2006, GB16847-1997 IEC60044-5, IEC61869-5, ANSI/IEEE C57.13
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)	350 x 270 x 170
Weight (kg)	≤5

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	≤2000m; If the altitude is greater than 2500m, the instrument needs to be customized

Main functions

Capacitor Voltage Transformer (CVT)

1. Capacitor voltage transformer ratio test
2. CVT ratio error test
3. CVT phase error test
4. Polarity test
5. Burden test
6. Winding DC resistance test