

## GF1061CVT

### CAPACITOR VOLTAGE TRANSFORMER TESTER ON SITE

GF1061CVT portable capacitor voltage transformer 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. Application many in electricity power utility, power plant and so on.

### Application

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



### Features

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

## 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

## 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