

GF112D

Single Phase Electricity Meter Tester

GF112D is a single-phase handheld electronic meter test unit in accuracy class 0.1or 0.2, used for testing single phase electricity meters error on site. Wide measurement range from 1mA to 120A and 0 to 600V, and also can be used to test alternating current parameters - voltage, current, active power, reactive power, apparent power, harmonics, phase angle, power factor, frequency, energy etc.

Features

1. Accuracy class 0.2;
2. Smart optical sampler;
3. 3.5 inch color touch TFT LCD;
4. Easy and user friendly operation;
5. Lithium batteries can be replaced;
6. Storage 5000 groups calibrate data;
7. The best light weight meter test set;
8. With PC software, export test report;
9. With bluetooth & USB communication port;
10. Automatic compensation for current clamp;
11. Wide measuring range 0 -600V /0.001-120A;
12. Unique long-term and temperature stability;
13. The Li-battery can work 48 hours continuously;
14. One screen displays all the measured parameters;
15. The meter and current clamp have Integration design;



Functions

1. Rotary field indication;
2. Testing of energy and power registers;
3. Vector diagram display;
4. Testing of 1P2W electricity meter error;
5. External thermal-printer;
6. Testing of 1P2W inductive energy meter error;
7. 4-quadrant measurement;
8. Testing of 1P2W mechanical energy meter error;
9. Display of vector diagram;
10. Oscilloscope function display current & current wave;
11. Energy meter counters testing;
12. Frequency, phase angle and power factor measurement;
13. Harmonic analysis for voltage and current up to the 63th harmonics;
14. Power and energy measurement of active, reactive and apparent energy;

Parameters

Electrical parameters	
Accuracy class	0.1% or 0.2%
Active power measurement accuracy	0.1%, 0.2%
Energy measurement accuracy	0.1%, 0.2%
Power supply	AAA type, Li rechargeable battery, 2700mAh, 3.6V it can work 48 hours continuously
Warming-up time	<2 min
Voltage measurement	
U Range	0-600V
Accuracy	0.05%
Harmonics	2nd-63nd
Current measurement	
I Range	1mA-120A, 10mA-200A, 60mA-600A
Accuracy	0.1% or 0.2%
Harmonics	2nd-63nd
Phase measurement	
Range	0.00°-359.99°
Resolution	0.01°
Accuracy	0.02°
Frequency measurement	
Range	40-70Hz
Resolution	0.001Hz
Accuracy	0.002Hz
Power Factor Measurement	
Range	-1 ~ 0 ~ 1
Resolution	0.0001
Accuracy	0.0002
Energy pulse output	
Pulse constant	25000
Energy Pulse Input	
Input range of pulse constant	1-25000
Pulse input level	5V
Function	
Register test	Yes
PC management software	Yes
Android APP	Yes
LCD	3.5 inch touch TFT color LCD

Electrical parameters	
Data storage	5000 sets
Communication port	USB & Bluetooth port
Standard	
Standard	IEC 62053-21,22, 23; IEC 60736; ANSI C12.20-2002; JJG 597-2005; JJG596-2012; JJG 1085-2013; JJF 68-2019; DL/T 826-2002; DL/T 1478-2015; DL/T 448-2016
Safety	
Isolation protection	IEC 61010-1:2001
Measurement Category	300 V CAT III
Degree of protection	IP42
Declaration of conformity	CE & CNAS certified
Mechanical parameters	
Dimensions (WxDxH) (mm)	225x61x38 Aperture of current clamp: 30mm or 50mm
Weight (kg)	0.5 (mains) 1.5 (accessory and box)
Environmental conditions	
Working temperature	-10°C to 55°C
Working humidity	5%-85%RHD
Storage temperature	-25°C to 70°C
Storage humidity	5%-95%RHD

Accessories

