

GF112P

HIGH PRECISION CLAMP ON POWER METER

GF112P clamp power meter is a high precision industrial handheld clamp on power meter in accuracy class 0.05, used for testing all electrical parameter and harmonics on site. Wide measurement range from up to 600A and 600V, and also can be used to test voltage, current, active power, reactive power, apparent power, harmonics, phase angle, power factor, frequency, energy etc. 2-31st harmonics measurement, clamp type industrial design, with 3.5 inch touch TFT color LCD, bluetooth and USB. GF112P clamp power meter have become popular tools primarily for all kinds of electrical department.

Applications

1. Factory;
2. Power plant;
3. Electrical laboratory;
4. Metrological service center;
5. Power engineering company;
6. Distribution power corporation;
7. Oil, gas, petrochemical company;
8. Power quality check department;
9. Electricity power bureau & power company;
10. Electrical Department of industrial and mining enterprises;



Features

1. Display of vector diagram;
2. Power accuracy class 0.05;
3. 3.5 inch color touch TFT LCD;
4. 2-31st Harmonics measurement;
5. Easy and user friendly operation;
6. Storage 20000 groups calibrate data;
7. With APP software, export test report;
8. Lithium batteries/3AAA can be replaced;
9. Measure U, I, P, Q, S, E, PF, frequency etc;
10. With bluetooth & USB communication port;
11. Automatic compensation for current clamp;
12. Wide measuring range 0 -600V /0.001-600A;
13. Unique long-term and temperature stability;
14. The Li-battery can work 48 hours continuously;
15. One screen displays all the measured parameters;
16. Oscilloscope function display current & current wave;
17. The meter and current clamp have Integration design;

Parameters

Electrical parameters	
Accuracy class	0.05%
Active power measurement accuracy	0.05%
Harmonics measurement accuracy	0.10%
Power supply	AAA type, 3PCS, 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-31st
Current measurement	
I Range	1mA-120A or 60mA-600A
Accuracy	0.05%
Harmonics	2nd-31st
Phase measurement	
Range	0.00°-359.99°
Resolution	0.01°
Accuracy	0.05°
Power measurement	
Range	0-72KW or 0-360kW
Accuracy	0.05%
Frequency measurement	
Range	40-70Hz
Resolution	0.001Hz
Accuracy	0.002Hz
Power Factor Measurement	
Range	-1 ~ 0 ~ 1
Resolution	0.0001
Accuracy	0.0002
Harmonics	
Harmonics Content	Yes, 0-100%
Harmonics Bar graph	Yes

Electrical parameters - continued
Function

Key	2pcs (hold, power)
PC management software	Yes
Android APP	Optional
LCD	3.5 inch touch TFT color LCD
RMS	Yes
Waveform measurement	Yes
Data storage	20000 sets
Communication port	USB & Bluetooth port

Standard

Standard	IEC61010-1, IEC61010-2-32, IEC61010-2-31, IEC60529, pollution grade 2, 600V CAT IV, EN/IEC 61326; IEC 61000-4-30; IEC 61000-4-7, IEEE 519; IEC 61000-4-15; IEEE 1459; EN
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Safety

Isolation protection	IEC 61010-1:2001
Measurement Category	600V CAT IV
Degree of protection	IP50
Declaration of conformity	CE & CNAS certified

Mechanical parameters

Dimensions (W×D×H) (mm)	225×61×38 Aperture of current clamp: 30mm or 50mm
Weight (kg)	0.65 (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