

## GF112H

### CLAMP HARMONIC POWER METER

GF112H harmonic meter is a high precision handheld clamp harmonic power meter in accuracy class 0.2, used for testing all electrical parameter and harmonics on site. Wide measurement range from up to 600A and 0 to 600V, and also can be used to test voltage, current, active power, reactive power, apparent power, harmonics, phase angle, power factor, frequency, energy etc. 2-63rd harmonics measurement, clamp type industrial design, with 3.5inch touch TFT color LCD, bluetooth and USB.

### Applications

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



### Features

1. Accuracy class 0.2;
2. Unique long-term and temperature stability;
3. Display of vector diagram;
4. With bluetooth & USB communication port;
5. 3.5 inch color touch TFT LCD;
6. Wide measuring range 0 -600V /0.001-600A;
7. Easy and user friendly operation;
8. The Li-battery can work 48 hours continuously;
9. 2-63rd Harmonics measurement;
10. One screen displays all the measured parameters;
11. Lithium batteries can be replaced;
12. Measure U, I, P, Q, S, E, harmonics, PF, frequency etc;
13. Storage 5000 groups calibrate data;
14. Oscilloscope function display current & current wave;
15. With APP software, export test report;
16. The meter and current clamp have Integration design;
17. Automatic compensation for current clamp;

## Parameters

Electrical parameters	
Accuracy class	0.2%
Active power measurement accuracy	0.2%
Harmonics measurement accuracy	0.2%
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	0.1%
Harmonics	2nd-63rd
Current measurement	
I Range	1mA-120A or 60mA-600A
Accuracy	0.2%
Harmonics	2nd-63rd
Phase measurement	
Range	0.00°-359.99°
Resolution	0.01°
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
Function	
Register test	Yes
PC management software	Yes
Android APP	Optional
LCD	3.5 inch touch TFT color LCD
RMS	Yes
Waveform measurement	Yes
Data storage	5000 sets
Communication port	USB & Bluetooth port

**Electrical parameters - continued**
**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 50160
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**Safety**

Isolation protection	IEC 61010-1:2001
Measurement Category	300 V CAT III
Degree of protection	IP50
Declaration of conformity	CE & UL, CNAS certified

**Mechanical parameters**

Dimensions (WxDxH) (mm)	225x61x38 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