

GF112P

CLAMP POWER METER

GF112P power meter is a high precision industrial handheld clamp on 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 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 3.5inch touch TFT color LCD, bluetooth and USB. GF112P 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. Power accuracy class 0.2;
2. Automatic compensation for current clamp;
3. Display of vector diagram;
4. With bluetooth & USB communication port;
5. 3.5 inch color touch TFT LCD;
6. Unique long-term and temperature stability;
7. Easy and user friendly operation;
8. Wide measuring range 0 -600V /0.001-600A;
9. 2-31st Harmonics measurement;
10. The Li-battery can work 48 hours continuously;
11. Storage 5000 groups calibrate data;
12. One screen displays all the measured parameters;
13. With APP software, export test report;
14. Oscilloscope function display current & current wave;
15. Lithium batteries/3AAA can be replaced;
16. The meter and current clamp have Integration design;
17. Measure U, I, P, Q, S, E, PF, frequency etc;

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-31st |
| Current measurement | |
| I Range | 1mA-120A or 60mA-600A |
| Accuracy | 0.2% |
| Harmonics | 2nd-31st |
| Phase measurement | |
| Range | 0.00°-359.99° |
| Resolution | 0.01° |
| Accuracy | 0.05° |
| Power measurement | |
| Range | 0-72KV or 0-360kW |
| Accuracy | 0.2% |
| 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 | |
| Key | 2pcs (hold, power) |
| PC management software | Yes |
| Android APP | Optional |

Electrical parameters - continued
Function - continued

| | |
|----------------------|------------------------------|
| LCD | 3.5 inch touch TFT color LCD |
| RMS | Yes |
| Waveform measurement | Yes |
| Data storage | 5000 sets |
| Communication port | USB & Bluetooth port |

Standard

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| 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

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

Mechanical parameters

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|-------------------------|--|
| 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 |