

GF112L

LEAKAGE CURRENT DATA LOGGER

GF112L leakage current data logger is a high precision industrial handheld clamp on current meter in accuracy class 0.2 with data logger function, recording time interval from 1s to 60 minutes, used for testing all electrical parameter and recorder RMS current value on site. It can help users detect, document, record and compare leakage current readings over time as a means of preventing unplanned downtime, and identifying intermittent GFCI and RCD trips, all without taking equipment off line. Wide measurement range from up to 120A and 720V, and also can be used to test voltage, leakage 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. GF112L have become popular tools primarily for all kinds of electrical department. It can display all the value via wireless technology in APP software.

Applications

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



Features

1. Power accuracy class 0.2;
2. With bluetooth & USB communication port;
3. 3.5 inch color touch TFT LCD;
4. Automatic compensation for current clamp;
5. Easy and user friendly operation;
6. Unique long-term and temperature stability;
7. Storage 5000 groups calibrate data;
8. Recorder time interval from 1s to 60 minutes;
9. With APP software, export test report;
10. 1mA leakage current accuracy measurement;
11. Wide measuring range 0 -720V /0-120A;
12. The Li-battery can work 48 hours continuously;
13. Lithium batteries/3AAA can be replaced;
14. One screen displays all the measured parameters;
15. Measure U, I, P, Q, S, E, PF, frequency etc;
16. Oscilloscope function display current & current wave;
17. Recorder data can be download by U disk;
18. The meter and current clamp have Integration design;

Parameters

Electrical parameters	
Accuracy class	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	0-720V
Accuracy	0.1%
Harmonics	2nd-31st
Current measurement	
I Range	1mA-120A
Accuracy	0.2%
Harmonics	2nd-31st
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 order	2-31 times
Harmonics Content	Yes, 0-100%
Harmonics Bar graph	Yes
Functions	
Key	2pcs (hold, power)
PC management software	Yes
Android APP	Optional
LCD	3.5 inch touch TFT color LCD
RMS	Yes
Waveform measurement	Yes
Recorder parameter	U, I, P, Q, S, F, PF, Phase angle

Electrical parameters - continued
Functions - continued

Recorder time interval setting	1s - 60minutes
Data storage	4M data logger
Communication port	USB & Bluetooth port

Standard

Standard	IEC61010-1, IEC61010-2-32 CAT III 600 V / CAT IV 300 V, IEC61010-2-31, IEC60529, pollution grade 2, EN/IEC 61326; IEC 61000-4-30; IEC 61000-4-7, IEEE 519; IEC 61000-4-15;
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Safety

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

Mechanical parameters

Dimensions (W×D×H) (mm)	225×61×38 Aperture of current clamp: 30mm or 50mm
Weight (kg)	0.35 (mains) 1 (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