

ENERGY METER CALIBRATION GF112B

GF112B

Single-Phase kWh Meter Calibrator

GF112B Single-Phase kWh Meter Calibrator is suitable to test various types single phase meters on site and also can be used to test alternating current parameters.



Features

1. It combine the current clamp and the meter together, displayed by colorful and touch-screen
2. The AAA Li-battery can work 4 hours continuously
3. It can display all the measuring parameters in one screen
4. With wide voltage measuring range 15-300V and current measuring range 0.005-120A
5. The current clamp has automatic compensation and calibration function with accuracy class 0.2%
6. The meter and clamp have Integration design
7. 16 bit high accuracy AD switch 32 bit ARM processor core
8. Automatically record and save 999 groups calibrate data
9. Micro-multifunction optic sample
10. Manually/automatically test inductive single phase meters
11. Manually/automatically test electric single phase meters
12. It can measure virtual value of alternating voltage
13. It can measure virtual value of alternating current
14. Testing parameters: active power, phase angle of voltage/current and frequency etc
15. Automatically store testing data, it can save 999 group test results

Parameters

Electrical parameters	
Accuracy class	0.2%
Active power measurement accuracy	0.2%, 0.5%
Energy measurement accuracy	0.2%, 0.5%
Power supply	AAA type, Li rechargeable battery, 750mAh, 3.6V It can work 8 hours continuously
Warming-up time	< 5 min
Voltage measurement	
U Range	15-300V
Accuracy	0.20%

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Electrical parameters - continued

Current measurement

I Range	5mA-120A
Accuracy	0.2%

Phase measurement

Range	0.00°-359.99°
Resolution	0.01°
Accuracy	0.05°

Frequency measurement

Range	45-65Hz
Resolution	0.001Hz
Accuracy	0.005Hz

Power Factor Measurement

Range	-1 ~ 0 ~ 1
Resolution	0.001
Accuracy	0.005

Energy pulse output

Pulse constant	25000
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Energy Pulse Input

Input range of pulse constant	1-25000
Pulse input level	5V

Mechanical parameters

Dimensions (WxDxH) (mm)	215×60×30 Aperture of current clamp: 20mm
Weight (kg)	0.25 (mains) 0.8 (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



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