

## 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%

<b>Electrical parameters - continued</b>	
<b>Current measurement</b>	
I Range	5mA-120A
Accuracy	0.2%
<b>Phase measurement</b>	
Range	0.00°-359.99°
Resolution	0.01°
Accuracy	0.05°
<b>Frequency measurement</b>	
Range	45-65Hz
Resolution	0.001Hz
Accuracy	0.005Hz
<b>Power Factor Measurement</b>	
Range	-1 ~ 0 ~ 1
Resolution	0.001
Accuracy	0.005
<b>Energy pulse output</b>	
Pulse constant	25000
<b>Energy Pulse Input</b>	
Input range of pulse constant	1-25000
Pulse input level	5V
<b>Mechanical parameters</b>	
Dimensions (W×D×H) (mm)	215×60×30 Aperture of current clamp: 20mm
Weight (kg)	0.25 (mains) 0.8 (accessory and box)
<b>Environmental conditions</b>	
Working temperature	-10°C to 55°C
Working humidity	5%-85%RHD
Storage temperature	-25°C to 70°C
Storage humidity	5%-95%RHD