

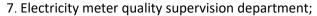
GF112B

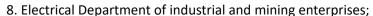
Single Phase kWh Meter Calibrator

GF112B Single Phase kWh Meter Calibrator is suitable to test various types single phase kWh meters error on site and also can be used to test alternating current parameters - U, I, P, Q, S, F, E etc.

Application

- 1. Metrological service center;
- 2. Power engineering company;
- 3. Distribution power corporation;
- 4. Electrical Department of property company;
- 5. Electricity power bureau & power company;
- 6. National Metrology and testing department;







Features

- 1. Easy and user friendly operation;
- 2. Micro-multifunction optical sampler;
- 3. Unique long-term and temperature stability;
- 4. Displayed by colorful and 2.8 inch touch TFT LCD;
- 5. One screen displays all the measured parameters;
- 6. The AAA Li-battery can work 20 hours continuously;
- 7. Oscilloscope function display current & current wave;
- 8. The meter and current clamp have Integration design;
- 9. 16 bit high accuracy AD switch 32 bit ARM processor core;
- 10. Automatically record and save 1000 groups calibrate data;
- 11. Manually/automatically test electric single phase kWh meters;
- 12. Manually/automatically test inductive single phase kWh meters;
- 13. Testing parameters: active power, phase angle of voltage/current and frequency etc;
- 14. With wide voltage measuring range 0 -300V and current measuring range 0.001-120A;
- 15. The current clamp has automatic compensation and calibration function with accuracy class 0.2%;



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, 1800mAh, 3.6\
	it can work 20 hours continuously
Warming-up time	<5 min
Voltage measurement	
U Range	0-300V
Accuracy	0.2%
Current measurement	
l Range	1mA-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	0.002
Energy pulse output	
Pulse constant	25000
Energy Pulse Input	
Input range of pulse constant	1-25000
Pulse input level	5V
Function	
Registertest	Yes
PC management software	Yes
LCD	2.8 inch touch TFT color LCD
Data storage	1000 sets
Communication port	RS232
p	1 * *



Electrical parameters - continued	
Standard	
Standard	IEC 62053-21,22, 23; IEC 60736; ANSI C12.20-2002; JJG 597-2005; JJG596-2012; JJG 1085-2013; JJF 68-2019; DL/T 826-2002; DL/T 1478-2015; DL/T 448-2016
Safety	
Isolation protection	IEC 61010-1:2001
Measurement Category	300 V CAT III
Degree of protection	IP42
Declaration of conformity	CE & CNAS certified
Mechanical parameters	
Dimensions (W×D×H) (mm)	215×60×30
	Aperture of current clamp: 20mm
Weight (kg)	0.25 (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

Accessories

