

ENERGY METER CALIBRATION GF102

GF102

Portable Single Phase Energy Meter Testing Bench

GF102 portable single phase energy meter testing bench used to test single phase energy meter. Adopt mature signal synthetic and power amplifier technology, high precision voltage and current output. Widely used in lab and field, and then as single phase standard source.



Features

1. Meter under testing: 1P2W.
2. Testing mode: active power, reactive power.
3. Test 3pcs or 2pcs meter synchronously.
4. Start testing and creep testing.
5. Reference standard and power source integrated, easy to carry.
6. Measuring mechanical meter and electric meter.
7. Operating by manual keyboard or PC software.
8. With keyboard shortcuts.
9. Internal large capacity storage device for mass memory.
10. Local checking the testing result.
11. Overload, short circuit, open circuit protection.
12. With self-checking function.

Parameters

Electrical parameters	
Accuracy class	0.1%, 0.2%
Power supply	220V±10% 50/60Hz±2Hz
Voltage	
Voltage output	0-300V
Power of the voltage output	Max. 30VA, 15VA
Resolution	0.01%
Accuracy	0.1%, 0.2%
Stability	0.02%/120s, 0.05%/120s
Distortion factor	<0.3% for linear resistance load

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Electrical parameters - continued

Current

Current output	1mA-100A, 1mA-60A
Power of the current output	Max. 100VA, 30VA
Resolution	0.01%
Accuracy	0.1%, 0.2%
Stability	0.02%/120s
Distortion factor	<0.3% for linear resistance load

Phase angle

Range	0°-360°
Resolution	0.1°
Accuracy	0.2°

Frequency

Range	45-70Hz
Resolution	0.005Hz
Accuracy	0.01Hz

Pulse output

High frequency output(C _H)	36000
Low frequency output(C _L)	360

Pulse input

Input channel	3 or 2
Input frequency	Max. 100KHz

Mechanical parameters

Dimensions (W×D×H) (mm)	445X440X180 (three meter positions) 410X220X150 (two meter positions)
Weight (kg)	18 (three meter positions) 15 (two meter positions)

Environmental conditions

Ambient temperature	-10°C to +40°C
Relative humidity	35%-85%



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