

※ Standby Power Meter (Wattman) MODEL: HPM-100A



Summary

Innovative product HPM-100 which was improved the way of measuring power than HPM-300A has a international public outlet in front. So we can easily measure standby and consuming power by plug in without additional constable wire.

Measurement items are alternating Voltage, Current, Power Factor, Frequency etc, and this measurement can also measure Electric charge and CO₂ emission according to the power quantity. HPM-100 is very useful standby power meter for the pubic institution, industries, consumer group and primary and middle school for the educational purpose of saving energy, because of its easy usage, handy size, and various measurement

Features

- Battery & Adaptor are not necessary
- Timer built-in (1hour/ 24hour)
- Measurement standby and consumption power (9mW ~ 3.75kW)
- Voltage, Current, Watt, Frequency (Display 4 values at the same time)
- Wide measurement range (V, A, W, Wh, PF, Hz, charge, CO₂ expelled volume)
- Easy to use with multi-consent (Plug & Play)
- Electric charge are calculated and expelled volume of CO₂ is able to compute
- GUI(Graphic User Interface)

Specification

- Current Measurement Range : AC 100 μ A ~ 15 A (Direct) \pm 0.3%
- Volt Measurement Range : 90 ~ 260V \pm 0.3%
- Watt Measurement Range : 9 mW ~ 3.75 kW \pm 0.4%
- Power Factor : \pm 0.001 ~ 1 \pm 0.5%
- Frequency : 50 ~ 1 kHz
- Dimension & Weight : 115 x 200 x 45(D)mm, 650g

Applications

- Public Institution & Consumption Union - Home Appliance Store
- Energy Saving Educational Program - Electronic product Line & Service Center

* Power (Direct)

Function	Range and Resolution	Accuracy
True Power (W), Volts, Ampere, Reactive Power	0.01 W to 3.75 kW Average	AC + DC $\pm(0.4 \% + 4 \text{ dgts})$
Power Factor (PF)	0.001 to 1.000	± 0.04 to 0.03 (0.30 to 0.89) ± 0.02 (0.90 to 1.00)
AC Voltage	90 ~ 260 V	$\pm(0.3 \% \text{ rdg} + 5 \text{ dgts})$
AC Current	100 μA ~ 15 A	$\pm(0.3 \% \text{ rdg} + 5 \text{ dgts})$

* Volt (Auto/ Manual): True RMS

Range	Resolution	Accuracy	Impedance	Overload Protection
100 V	100 mV	$\pm(0.5 \% + 5 \text{ dgts})$ (50 Hz ~ 1 kHz), DC	10 M Ω	1,000 V AC
200 V	100 mV			Peak within 10 sec

Current (Manual): True RMS

Range	Resolution	Accuracy	Overload Protection
15 A	10 mA	$\pm(0.3\% + 5 \text{ dgts})$ (50 Hz ~ 1 kHz), DC	250 V, 20 A Fused External Adaptor