

3 kW Power Meter HM8015



Power measurement (AC/DC) up to 3 kW

Automatic range selection, easy operation

6 measurement functions

Display of power factor

Frequency range up to 1 kHz

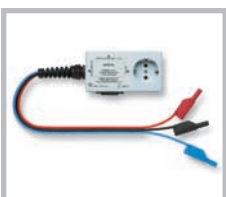
AC and DC power measurement

Mainframe HM8001-2 required for operation

Mainframe HM8001-2



HZ815 Power adapter



3 kW Power Meter HM8015

Valid at 23 °C after a 30 minute warm-up period

Measurement functions

Voltage, current, active, reactive and apparent power and power factor
Range selection: automatic

Voltage (TRMS AC + DC)

Ranges: 50V 150V 300V
Resolution: 0.1V 1V 1V
Accuracy: $\pm (0.6\% + 5 \text{ digits})$ DC to 1 kHz
Input impedance: 1 M Ω || 100 pF
Crest factor: max. 3.5 at full scale

Current (TRMS AC + DC)

Ranges: 0.16 A 1.6 A 10 A
Resolution: 1 mA 1 mA 10 mA
Accuracy: $\pm (0.6\% + 5 \text{ digits})$ DC to 1 kHz
Input impedance: 1 M Ω || 100 pF
Crest factor: max. 4 at full scale
Input protection: 2x Fuse FF 15 A, 6.3 x 32 mm

Active power measurement

Ranges: 8 W 24 W 48 W 80 W 240 W 480 W 500 W 1500 W 3000 W
Resolution: 1 mW 10 mW 10 mW 10 mW 0.1 W 0.1 W 0.1 W 1 W 1 W
Accuracy: $\pm (0.7\% + 5 \text{ digits})$ DC to 1 kHz

Reactive power measurement

Ranges: 8 var 24 var 48 var 80 var 240 var
Resolution: 10 mvar 100 mvar 100 mvar 100 mvar 1 var
Ranges: 480 var 500 var 1500 var 3000 var
Resolution: 1 var 1 var 10 var 10 var
Accuracy: $\pm (2.5\% + 10 \text{ digits} + 0.02 \times Q)$ 20 Hz to 400 Hz
Q = reactive power

Apparent power measurement

Ranges: 8 VA 24 VA 48 VA 80 VA 240 VA
Resolution: 1 mVA 10 mVA 10 mVA 10 mVA 100 mVA
Ranges: 480 VA 500 VA 1500 VA 3000 VA
Resolution: 100 mVA 100 mVA 1 VA 1 VA
Accuracy: $\pm (0.9\% + 5 \text{ digits})$ 20 Hz – 1 kHz

Power factor measurement

Display: 0.00 to 1.00
Accuracy: $\pm (2\% + 3 \text{ digits})$ 50 to 60 Hz
(current and voltage at least 1/10 of full scale)

Miscellaneous

Power consumption: approx. 10 W
Operating temperature: + 10° C ... + 40° C
Max. relative humidity: 80 %
Dimensions (WxHxD) (without 22-pole flat plug) : 135 x 68 x 228 mm
Weight: approx. 0.5 kg

Values indicated without tolerances are intended as aids to orientation and reflect the characteristics of an average device.
Reference temperature 23° C \pm 2° C.

Accessories supplied: Operator's Manual
Optional accessories: HZ815 Power Adapter

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