

3 kW Power Meter HM8015



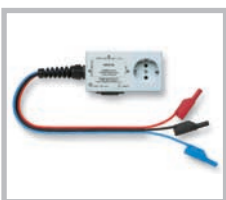
Mainframe HM8001-2



Mainframe HM8003



HZ815 Power adapter



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 or HM8003 required for operation

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:	50 V	150 V	300 V
Resolution:	0.1 V	1 V	1 V
Accuracy:	± (0.6 % + 5 digits) DC to 1 kHz		
Input impedance:	1 MΩ 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:	± (0.6 % + 5 digits) DC to 1 kHz		
Input impedance:	1 MΩ 100 pF		
Crest factor:	max. 4 at full scale		
Input protection:	2x Fuse FF 15A, 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:	± (0.7 % + 5 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:	± (2.5 % + 10 digits + 0.02 x 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:	± (0.9 % + 5 digits) 20 Hz – 1 kHz				

Power factor measurement

Display:	0.00 to 1.00
Accuracy:	± (2 % + 3 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 ± 2 °C.

Accessories supplied: Operator's Manual

Optional accessories: HZ815 Power Adapter

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