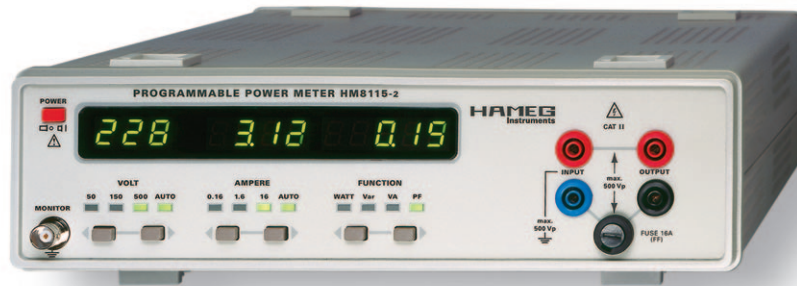
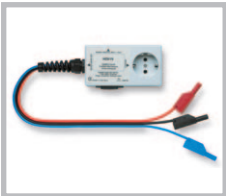


8 kW Power Meter HM8115-2



Power measurement up to 8 kW

HZ815 Power adapter



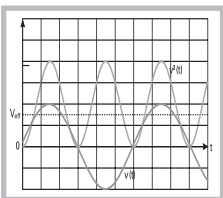
Simultaneous voltage, current and power display

Display of apparent, effective and reactive power

Power factor display

Autoranging, simple operation

RMS value

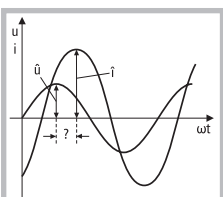


Suitable for measurements on frequency converters

Frequency range DC to 1 kHz

RS-232 interface, optional: USB, IEEE-488

Active power



8 kW Power Meter HM8115-2

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

Voltage	True RMS voltage measurement (AC+DC)		
Ranges:	50 V	150 V	500 V
Resolution:	0.1 V	1 V	1 V
Accuracy:	20 Hz – 1 kHz:	± (0.4 % + 5 digits)	
	DC:	± (0.6 % + 5 digits)	
Input impedance:	1 MΩ 100 pF		
Crest factor:	max. 3.5 at full scale		
Input protection:	max. 500 V _p		

Current	True RMS current measurement (AC+DC)		
Ranges:	160 mA	1.6 A	16 A
Resolution:	1 mA	1 mA	10 mA
Accuracy:	20 Hz – 1 kHz:	± (0.4 % + 5 digits)	
	DC:	± (0.6 % + 5 digits)	
Crest factor:	max. 4 at full scale		
Input protection:	fuse, FF 6 A 6.3 x 32 mm (superfast)		

Active power measurement							
Ranges:	8 W	24 W	80 W	240 W	800 W	2400 W	8000 W
Resolution:	1 mW	10 mW	10 mW	100 mW	100 mW	1 W	1 W
Accuracy:	20 Hz – 1 kHz:	± (0.5 % + 10 digits)					
	DC:	± (0.5 % + 10 digits)					
Display:	4-digit, 7-segment LED						

Reactive power measurement					
Ranges:	8 var	24 var	80 var	240/800 var	2400/8000 var
Resolution:	1 mvar	10 mvar	10 mvar	100 mvar	1 var
Accuracy:	20 Hz – 400 Hz:	± (2.5 % + 10 digits + 0.02 x P)			
		P = active power			
Display:	4-digit, 7-segment LED				

Apparent power measurement					
Ranges:	8 VA	24 VA	80 VA	240/800 VA	2400/8000 VA
Resolution:	1 mVA	10 mVA	10 mVA	100 mVA	1 VA
Accuracy:	20 Hz – 1 kHz:	± (0.8 % + 5 digits)			
Display:	4-digit, 7-segment LED				

Power factor measurement	
Display:	0.00 to +1.00
Accuracy:	50 Hz-60 Hz: ± (2% + 3 digits) [sine wave] voltage and current > 1/10 of full scale

Monitor output (analog)

Connection:	BNC connector (galvanic isolation to test circuit and RS-232 interface)
Reference potential:	protective earth
Level:	1 V _{AC} at full scale (2400/8000 digits)
Accuracy:	typ. 5 %
Output impedance:	approx. 10 kΩ
Bandwidth:	DC to 1 kHz
Protected up to:	± 30 V

Functions and displays

Measurement functions:	voltage, current, power, power factor
Range selection:	automatic/manual
Overrange alarm:	visual and acoustic
Display resolution	
Voltage:	3-digit, 7-segment LED
Current:	4-digit, 7-segment LED
Power:	4-digit, 7-segment LED
Power factor:	3-digit, 7-segment LED

Serial interface

Connection:	D-sub connector (galvanic isolation to test circuit and monitor output)
Type:	RS-232 (3-wire)
Protocol:	Xon / Xoff
Data rate:	9600 Baud
Functions:	control/data fetch

Miscellaneous

Safety Class:	Safety Class I (EN 61010)
Power supply:	115/230 V ± 10 %, 50/60 Hz
Power consumption:	approx. 15 W at 50 Hz
Operating temperature:	0° to +40° C
Max. relative humidity:	< 80 % (without condensation)
Dimensions (W x H x D):	285 x 75 x 365 mm
Weight:	approx. 4 kg

Accessories supplied: Operator's Manual, power cable

Optional accessories:

HZ10S/R Silicone test lead
HZ815 Socket adapter
HO870 USB Interface
HO880 IEEE-488 interface

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