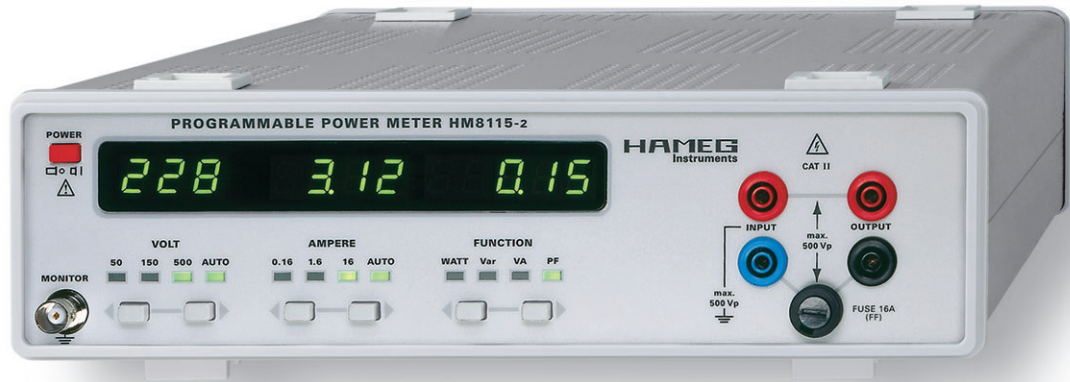
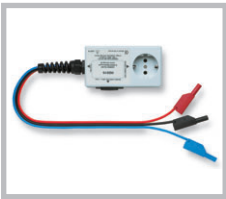


8 kW Power Meter HM8115-2

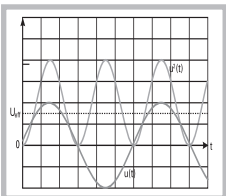
HM8115-2



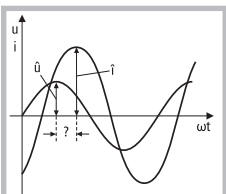
HZ815 Power adapter



RMS value



Active power



Wide measurement range 1 mW to 8 kW

Voltage range 100 mV to 500 V, current range 1 mA to 16 A

Frequency range DC to 1 kHz

Simultaneous voltage, current and power display

Display of apparent, effective and reactive power

Power factor display

Autoranging, simple operation

Monitor output (BNC) representing the instantaneous active power

Suitable for measurements on frequency converters

Software for remote control and data acquisition included

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

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 Vp | | |

| 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 16A 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 |

| Interface | |
|--------------------|---|
| Interface: | RS-232 (standard), IEEE-488 or USB (opt.) |
| Connection RS-232: | D-sub connector (galvanic isolation to test circuit and monitor output) |
| 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, software

Optional accessories:
HZ10S/R Silicone test lead
HZ815 Socket adapter
H0870 USB Interface
H0880 IEEE-488 (GPIB) Interface

www.hameg.com