



POWERMATE™ Pro Three Phase Professional

Energy Auditing, Monitoring and Logging Device

APPLICATION

The Power-Mate™ Pro is a professional, high accuracy energy monitoring instrument with many features including programmable start/stop/logging times, energy in real time and kWh accumulated, cost, greenhouse gas, voltage, current & power factor. Simply plugs in line between the 3 phase equipment and the source socket. The PMPRO-20A can measure energy consumption for most three phase powered devices with a 20A connector used in industrial environments. It consists of two main components i.e. a hand held display and the base unit that is connected to an outlet and the equipment to be monitored. This is an ideal instrument for the energy auditor wishing to monitor energy consumption of three phase powered devices.

Part No. PMPRO-20A



PMPRO-20A

FEATURES

- Base unit and a display unit
- Monitors electrical energy consumption and calculates costs and greenhouse gas emissions
- Easy to use and connect via three phase 32A connectors
- Compact and robust
- Colour Graphic LCD touch screen
- Ethernet connection for remote monitoring
- 80Vac to 500Vac
- True-RMS AC measurement
- Removable SD card for Monitoring and Logging
- Simple intuitive graphical user interface
- Records min/max for V, A, W, kWh for Real, Active, Reactive and Apparent power

SAFETY & COMPLIANCE

- AS3100-2009, IEC61000-4-2
- IEC61000-4-4
- IEC61000-4-6
- IEC61326-1





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TECHNICAL DATA

FEATURE	RANGE		ACCURACY
Energy	Maximum	274MWh	< 1%
	Minimum	0.001 Wh	
	Maximum Run time	497 Days	
Active Power	Maximum Total	23kW	< 1%
	Phase	7.68kW	< 0.33%
	Minimum Total	0.06W	< 1%
	Phase	0.02W	< 0.33%
Reactive Power	Maximum Total	23KVAr	< 1%
	Phase	7.68KVAr	
	Minimum Total	1VAr	
	Phase	1VAr	
Apparent Power	Maximum Total	23kVA	< 1%
	Phase	7.68kVA	
	Minimum Total	1VA	
	Phase	1VA	
Phase Voltage	Maximum	500V AC	< 0.5% (60-300V)
	Minimum	80V AC	
Line Current	Maximum	20A	< 0.5% (500mA - 20A)
	Minimum	30mA	< 1% (50mA - 500mA)
Power Factor	Maximum	1.00	< 1% (Total)
	Minimum	-1.00	< 0.5% (Phase)

ORDERING INFORMATION

Parts supplied e.g. gift box, base unit, display unit, operating manual, built-in leads with plugs 32A 3 x L,N & E.

Power supply: Mains and internal rechargeable battery

Dimensions: Base unit: 300L x 160W x 58Hmm

Display: 158L x 97W x 32Hmm

Weight: Base unit: 2.2kg

