



Main

Range of product	PowerLogic PM1000
Device short name	PM1200
Product or component type	Power meter

Complementary

Type of measurement	Power factor Active and reactive energy Active and reactive power Frequency Voltage Current
Supply voltage	44...277 V DC 44...277 V AC (50/60 Hz)
Network frequency	50/60 Hz
Power consumption in VA	< 3 VA at 240 V AC
Display type	LED, digital
Display resolution	3 lines with 4 digits
Sampling rate	20 samples/cycle
Measurement current	50 mA...6 A
Input type	Current 0...1 A (impedance <= 0.1 Ohm) Current 0...5 A (impedance <= 0.1 Ohm)
Measurement voltage	0 V...999 kV AC 50/60 Hz with external VT 80...480 V AC 50/60 Hz phase to phase
Measurement accuracy	1 % apparent power 1 % power factor 0.1 % frequency 1 % energy 1 % voltage 1 % current 1 % power
Accuracy class	Class 1 (active energy according to IEC 62053-21) Class 2 (reactive energy according to IEC 62053-23)
Communication port protocol	Modbus
Communication port support	RS485
Transmission rate	19.2 kbauds

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Environment

Electromagnetic compatibility	Immunity to microbreaks and voltage drops, conforming to IEC 61000-4-11 Conducted and radiated emissions class A, conforming to CISPR 11 1.2/50 μ s shock waves immunity test, conforming to IEC 61000-4-5 Conducted RF disturbances, conforming to IEC 61000-4-6 Electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 Susceptibility to electromagnetic fields, conforming to IEC 61000-4-3 Electrostatic discharge immunity test, conforming to IEC 61000-4-2 Immunity to impulse waves, conforming to IEC 61000-4-12
Mounting mode	Flush-mounted
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	IP40 (back) conforming to IEC 60529 IP51 (front face) conforming to IEC 60529
Relative humidity	5...95 %
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	0...2000 m
Standards	IEC 62053-21 IEC 62052-11
Width	96 mm
Depth	80 mm (embedded)
Height	96 mm
Product weight	0.4 kg