



Main

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

Complementary

Power quality analysis	Up to the 9th harmonic
Type of measurement	Active and reactive power Active and reactive energy Voltage Current Frequency Power factor
[Us] rated 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
Display resolution	3 lines with 4 digits
Sampling rate	20 samples/cycle
Measurement current	50...6000 mA
Analogue input type	Current 0...5 A (impedance ≤ 0.1 Ohm) Current 0...1 A (impedance ≤ 0.1 Ohm)
Measurement voltage	80...480 V AC 50/60 Hz phase to phase 0...999000 V AC 50/60 Hz with external VT
Measurement accuracy	± 1 % power ± 1 % current ± 1 % voltage ± 1 % energy ± 0.1 % frequency ± 1 % power factor ± 1 % apparent power
Accuracy class	Class 2 (reactive energy according to IEC 62053-23)

Class 1 (active energy according to IEC 62053-21)

Market segment	Residential Small commercial
Compatibility code	PM1000

Environment

Electromagnetic compatibility	Electrostatic discharge immunity test, conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields, conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test, conforming to IEC 61000-4-5 Conducted RF disturbances, conforming to IEC 61000-4-6 Immunity to impulse waves, conforming to IEC 61000-4-12 Immunity to microbreaks and voltage drops, conforming to IEC 61000-4-11 Conducted and radiated emissions class class A, conforming to CISPR 11
Mounting mode	Flush-mounted
Mounting support	Panel
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	IP51 (front face) conforming to IEC 60529 IP40 (back) 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1320 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months
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