



ⓘ Discontinued

METSEPM1000 has not been replaced. Please contact your customer care center for more information.

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	Current Voltage Frequency Active and reactive power Active and reactive energy Power factor
Supply voltage	44...277 V AC 50/60 Hz 44...277 V DC
Network frequency	50/60 Hz
Maximum 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
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	Power 1 % Current 1 % Voltage 1 % Energy 1 % Frequency 0.1 % Power factor 1 % Apparent power 1 %
Accuracy class	Class 2 reactive energy conforming to IEC 62053-23

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Electromagnetic compatibility	Immunity to impulse waves: , conforming to IEC 61000-4-12 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 Conducted RF disturbances: , conforming to IEC 61000-4-6 1.2/50 µs shock waves immunity test: , conforming to IEC 61000-4-5 Immunity to microbreaks and voltage drops: , conforming to IEC 61000-4-11 Conducted and radiated emissions: , 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
Net weight	0.4 kg

Packing Units

Package 1 Weight	0.530 kg
Package 1 Height	1.100 dm
Package 1 width	1.250 dm
Package 1 Length	1.300 dm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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