

Product datasheet

Specifications



PM1000 power meter with energy and demand - no communication

METSEPM1000

! Discontinued on: Jan 23, 2021 AD

! Discontinued

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 Class 1 active energy conforming to IEC 62053-21

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	Embedded : 80 mm
Height	96 mm
Net Weight	0.4 kg

Contractual warranty

Warranty	18 months
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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RoHS/REACH

Certifications & Standards

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)
