

Product datasheet

Specifications



PM1200 power meter with energy and demand - with communication

METSEPM1200

! Discontinued on: 09 September 2020

! End-of-service on: 31 December 2016

! Discontinued

Main

Range of product	PowerLogic PM1000
Device short name	PM1200
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
Communication port protocol	Modbus 19.2 kbauds
Communication port support	RS485

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

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

METSEPM1200 is replaced by:

1x



EasyLogic PM2120 - Power & Energy meter - up to 15th H - LED - RS485 - class 1
METSEPM2120