Product data sheet

Specifications



PM1200 power meter with energy and demand - with communication

METSEPM1200

Discontinued on: Jan 23, 2021

Product availability: Non-Stock - Not normally stocked in distribution facility

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 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 IEC 62053-23 Class 1 active energy IEC 62053-21
Communication port protocol	Modbus 19.2 kbauds
Communication port support	RS485

Environment

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Electromagnetic compatibility	Immunity to impulse waves IEC 61000-4-12 Electrostatic discharge immunity test IEC 61000-4-2 Susceptibility to electromagnetic fields IEC 61000-4-3 Electrical fast transient/burst immunity test IEC 61000-4-4 Conducted RF disturbances IEC 61000-4-6 1.2/50 µs shock waves immunity test IEC 61000-4-5 Immunity to microbreaks and voltage drops IEC 61000-4-11 Conducted and radiated emissionsclass A 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	14…140 °F (-10…60 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Operating altitude	0...6561.68 ft (0...2000 m)
Standards	IEC 62053-21 IEC 62052-11
Width	3.8 in (96 mm)
Depth	Embedded : 3.1 in (80 mm)
Height	3.8 in (96 mm)
Net Weight	0.9 lb(US) (0.4 kg)

Ordering and shipping details

Category	US10PL109734
Discount Schedule	0PL1
GTIN	00785901690092
Returnability	No

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	Compliant

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.