METSEPM1200

Green Premium™ Product

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	Voltage Current Frequency Power factor Active and reactive power Active and reactive energy
[Us] rated supply voltage	44...277 V DC 44...277 V AC (50/60 Hz)
Network frequency	50/60 Hz
Power consumption in VA	
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)
Communication port protocol	Modbus: 19.2 kbauds,
Communication port support	RS485

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	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	3.78 in (96 mm)
depth	3.15 in (80 mm) (embedded)
height	3.78 in (96 mm)
product weight	0.88 lb(US) (0.4 kg)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1320 - Schneider Electric declaration of conformity	Compliant - since 1320 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months