Product data sheet
Characteristics

METSEPM3250
PM3250 power meter - RS485

Main

Range	PowerLogic
Product name	PowerLogic PM3000
Device short name	PM3250
Product or component type	Power meter
Market segment	Sub feeder in buildings / large building for billing (Energy cost management) Sub feeder in buildings / small building for billing (Energy cost management) Sub feeder in buildings / medium building for billing (Energy cost management) Sub feeder in buildings / multi-site for billing (Energy cost management) Sub feeder in datacenter for billing (Energy cost management) Sub feeder in healthcare for billing (Energy cost management) Sub feeder in industry for billing (Energy cost management) Sub feeder in buildings / small building for cost allocation (Energy cost management) Sub feeder in buildings / medium building for cost allocation (Energy cost management) Sub feeder in buildings / large building for cost allocation (Energy cost management) Sub feeder in buildings / multi-site for cost allocation (Energy cost management) Sub feeder in datacenter for cost allocation (Energy cost management) Sub feeder in healthcare for cost allocation (Energy cost management) Sub feeder in industry for cost allocation (Energy cost management)

Complementary

Power quality analysis	Up to the 15th harmonic
Device application	Power monitoring Multi-tariff Sub billing
Type of measurement	Energy Active and reactive power Total current harmonic distortion THD (I) Total voltage harmonic distortion THD (U) Voltage Current Frequency Power factor Apparent power
[Us] rated supply voltage	100...300 V DC 100...277 V AC (45...65 Hz) 173...480 V AC (45...65 Hz)

Network frequency	50 Hz 60 Hz
[In] rated current	1 A 5 A
Poles description	3P 1P + N 3P + N
Power consumption in VA	5 VA
Display type	Backlit LCD
Display resolution	128 x 96 pixels
Sampling rate	32 samples/cycle
Measurement current	0.02...1.2 A 0.05...6 A
Analogue input type	Current 0...5 A Current 0...1 A
Measurement voltage	50...330 V AC 45...65 Hz direct 50...330 V AC 45...65 Hz phase to neutral 80...570 V AC 45...65 Hz direct 80...570 V AC 45...65 Hz phase to phase 570...999000 V AC 45...65 Hz with external VT
Frequency measurement range	45...65 Hz
Number of inputs	0
Measurement accuracy	0.3 % current (0.5...6 A) 0.5 % current (0.1...1.2 A) 0.3 % voltage (50...330 V) 0.3 % voltage (80...570 V)
Accuracy class	Class 0.5S (active energy according to IEC 62053-22) Class 2 (reactive energy according to IEC 62053-23) Class 1 (active energy according to IEC 62053-21) Class C (active energy according to EN 50470-3)
Number of outputs	0
Information displayed	Tariff 4
Communication port protocol	Modbus : 9.6...38.4 kbauds,
Communication port support	RS485
Data recording	Time stamping 5 alarms Min/Max of instantaneous values
Mounting mode	Clip-on
Mounting support	DIN rail
Standards	UL 61010-1 IEC 61557-12 IEC 62052-11 EN 50470-3 EN 61010-1 EN 61557-12 EN 50470-1
Product certifications	CULus conforming to UL 61010-1 UL CE conforming to EN 61010-1
Width	90 mm
Depth	70 mm
Height	95 mm
Product weight	0.26 kg

Environment

Electromagnetic compatibility	• conducted and radiated emissions class class B, conforming to EN 55022 • electrostatic discharge class level 4, conforming to IEC 61000-4-2 • conducted RF disturbances class level 3, conforming to IEC 61000-4-6 • electrical fast transient/burst immunity test class level 4, conforming to IEC 61000-4-4 • susceptibility to electromagnetic fields class level 3, conforming to IEC 61000-4-3 • 1.2/50 µs shock waves immunity test class level 4, conforming to IEC 61000-4-5 • magnetic field at power frequency (0.5 mT), conforming to IEC 61000-4-8

Overvoltage category	III
IP degree of protection	IP20 (body) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
Relative humidity	5...95 % 50 °C
Pollution degree	2
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...3000 m
Compatibility code	PM3250

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1214 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of life manual
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

Usage / Application

Market segment	Residential Small commercial