Product data sheet
Characteristics

METSEPM5350
PM5350 Power & Energy meter with THD, alarming

Main

Range	PowerLogic
Product name	PowerLogic PM5350
Device short name	PM5350
Product or component type	Power meter

Complementary

Power quality analysis	Total demand distortion Total harmonic distortion
Device application	Power monitoring
Type of measurement	Current Voltage Frequency Power factor Energy Phase angle Apparent power Active power Reactive power
Supply voltage	85...265 V AC 45...65 Hz 100...300 V DC
Network frequency	50 Hz 60 Hz
[In] rated current	5 A 1 A
Type of network	1P + N 3P + N 3P
Maximum power consumption in VA	9.6 VA
Ride-through time	80 Ms 120 V AC typical 100 Ms 230 V AC typical 100 ms 415 V AC typical
Display type	Backlit LCD
Display resolution	6 lines
Sampling rate	32 samples/cycle
Measurement current	0…1 A 0…5 A
Analogue input type	Current 0.05...9 A (impedance <= 0.3 Ohm)
Measurement voltage	20…690 V AC phase to phase 20…400 V AC phase to neutral
Frequency measurement range	45…70 Hz
Number of inputs	4 digital

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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.
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Measurement accuracy	Current 0.3 % Voltage 0.3 % Frequency 0.05 % Power factor +/- 0.005
Accuracy class	Class 0.5S active energy conforming to IEC 62053-22 Class 0.5 active energy conforming to IEC 61557-12 Class 3 reactive energy conforming to IEC 62053-23 Class 2 reactive energy conforming to IEC 61557-12 Class 0.5 power conforming to IEC 61557-12
Number of outputs	2 relay
Information displayed	Tariff (4)
Communication port protocol	JBUS Modbus RTU and ASCII at 9.6, 19.2 and 38.4 kbauds
Communication port support	Terminal block: RS485
Data recording	Min/Max of instantaneous values Alarms
Connections - terminals	Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Current transformer: screw terminal block6 Input/Output circuit: screw terminal block6 Relay output: screw terminal block4 Ethernet network: RJ45 connector
Mounting mode	Flush-mounted
Type of installation	Indoor installation
Standards	IEC 61010-1
Product certifications	CE CULus
Width	96 mm
Depth	44 mm
Height	96 mm
Net weight	0.25 kg

Environment

Electromagnetic compatibility	Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3 Electrostatic discharge 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 Conducted and radiated emissions class A conforming to EN 55011 Limits for harmonic current emissions conforming to IEC 61000-3-2
Overvoltage category	III
IP degree of protection	IP30 back: conforming to IEC 60529 IP51 front face: conforming to IEC 60529
Relative humidity	0…95 % at 50 °C
Pollution degree	2
Ambient air temperature for operation	-40…85 °C
Ambient air temperature for storage	-25…70 °C
Operating altitude	0...3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	419 g
Package 1 Height	11 cm
Package 1 width	12.6 cm
Package 1 Length	12.6 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
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