

Product datasheet

Specifications



PM5320 Meter, ethernet, up to 31st H, 256K 2DI/2DO 35 alarms

METSEPM5320

Price: 907.20 USD

Main

Range	PowerLogic
Product Name	PowerLogic PM5000
Device Short Name	PM5320
Product Or Component Type	Power meter

Complementary

Power Quality Analysis	up to the 31st harmonic
Device Application	Multi-tariff Power monitoring
Type Of Measurement	Current Voltage Frequency Power factor Energy Active and reactive power
Supply Voltage	90...450 V AC 45...65 Hz 100...300 V DC
Network Frequency	50 Hz 60 Hz
[In] Rated Current	1 A 5 A
Type Of Network	1P + N 3P + N 3P
Maximum Power Consumption In Va	11 VA at 415 V
Ride-Through Time	80 ms 120 V AC typical 100 ms 230 V AC typical 100 ms 415 V AC typical 50 ms 125 V DC typical
Display Type	Monochrome graphic LCD
Display Resolution	128 x 128 pixels
Sampling Rate	64 samples/cycle
Measurement Current	5...8500 mA
Analogue Input Type	Voltage (impedance 5 MOhm) Current (impedance <= 0.3 mOhm)
Measurement Voltage	35...760 V AC 45...65 Hz between phases 20...440 V AC 45...65 Hz between phase and neutral
Frequency Measurement Range	45...65 Hz
Number Of Inputs	2 digital

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Measurement Accuracy	Active energy +/- 0.5 % Reactive energy +/- 2 % Active power +/- 0.5 % Apparent power +/- 0.5 % Frequency +/- 0.05 % Power factor +/- 0.5 Current +/- 0.5 % Voltage +/- 0.5 % Apparent energy +/- 0.5 % Reactive power +/- 2 %
Accuracy Class	Class 0.5S active energy conforming to IEC 62053-22
Number Of Outputs	2 digital
Information Displayed	Tariff (4)
Communication Port Protocol	Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V BACnet IP
Communication Port Support	ETHERNET
Data Recording	Maintenance logs Alarm logs Min/max of instantaneous values Event logs Time stamping Data logs
Memory Capacity	256 kB
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
Mounting Support	Framework
Standards	IEC 62053-22:2020 EN 50470-1 IEC 60529 IEC 61557-12:2015 UL 61010-1 EN 50470-3 IEC 62053-24 IEC 62053-23:2020 IEC 62052-11:2020 IEC 62052-31:2015
Product Certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1
Width	96 mm
Depth	72 mm
Height	96 mm
Net Weight	430 g

Environment

Electromagnetic Compatibility	<p>Limitation of voltage changes, voltage fluctuations and flicker in low-voltage class A conforming to IEC 61000-3-3</p> <p>Electrostatic discharge - test level: 8 kV level 4 conforming to IEC 61000-4-2</p> <p>Radiated radio-frequency electromagnetic field immunity test level 3 conforming to IEC 61000-4-3</p> <p>Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4</p> <p>Surge immunity test level 4 conforming to IEC 61000-4-5</p> <p>Voltage dips and interruptions immunity test class A conforming to IEC 61000-4-11</p> <p>Limits for harmonic current emissions class A conforming to IEC 61000-3-2</p> <p>Conducted RF disturbances level 3 conforming to IEC 61000-4-6</p> <p>Magnetic field at power frequency level 4 conforming to IEC 61000-4-8</p> <p>Conducted and radiated emissions class B conforming to EN 55022</p> <p>Limitation of voltage changes, voltage fluctuations and flicker in low-voltage level 4 conforming to IEC 61000-3-3</p> <p>Radiated radio-frequency electromagnetic field immunity test class B conforming to IEC 61000-4-3</p>
Ip Degree Of Protection	<p>IP54 display: conforming to IEC 60529</p> <p>IP30 rear: conforming to IEC 60529</p>
Relative Humidity	5...95 % at 50 °C non-condensing
Pollution Degree	2
Ambient Air Temperature For Operation	<p>-25...70 °C meter</p> <p>-20...70 °C display</p> <p>-25...-20 °C (with reduced performance) display</p>
Ambient Air Temperature For Storage	-40...85 °C
Operating Altitude	<p>2000 m CAT III</p> <p>3000 m CAT II</p>

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	12.6 cm
Package 1 Length	12.6 cm
Package 1 Weight	550.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.096 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	288
Package 3 Height	105.0 cm
Package 3 Width	80.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	206.4 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

RoHS Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu RoHS Directive Compliant with Exemptions

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

Circularity Profile [End of Life Information](#)