Product data sheet

Specifications

power meter PowerLogic PM5650, 2 ethernet, up to 63th Harmonic, 1,1MB, waveform, 4DI/2DO 52 alarms

METSEPM5650

Product availability : Stock - Normally stocked in distribution facility

Price* : 4,646.35 USD

Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5650
Product or Component Type	Power meter

Complementary

Power quality analysis	up to the 63rd harmonic waveform capture voltage sag and swell detection
Metering type	Measured neutral current Calculated ground current
Device Application	Gateway WAGES metering Power monitoring Multi-tariff
Type of measurement	Current Voltage Frequency Power factor Energy Active and reactive power
Supply voltage	100...300 V DC 90...528 V AC 45...65 Hz
Network Frequency	60 Hz 50 Hz
Line Rated Current	1 A 5 A
Type of network	3P + N 3P 1P + N
Maximum power consumption in VA	16 VA 480 V
Ride-through time	35 ms 120 V AC typical 129 ms 230 V AC typical 50 ms 125 V DC typical
Display Type	Monochrome graphic LCD
Display Resolution	128 x 128 pixels
Sampling rate	128 samples/cycle

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

Measurement current	50…10000 mA
Analogue input type	voltage 5 MOhm) current <= 0.3 mOhm)
Measurement voltage	20…400 V AC 45...65 Hz between phase and neutral 20…828 V AC 45...65 Hz between phases
Frequency measurement range	45…65 Hz
Number of inputs	4 digital
Measurement accuracy	Apparent power +/- 0.5 % Frequency +/- 0.05 % Active energy +/- 0.2 % Reactive energy +/- 1 % Active power +/- 0.2 % Voltage +/- 0.1 % Power factor +/- 0.005 Current +/- 0.15 % Reactive power +/- 1 %
Accuracy class	Class 0.2S active energy IEC 62053-22
Number of Outputs	2 digital
Information displayed	Tariff 8)
Communication port protocol	Modbus RTU and ASCII 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires 2500 V JBUS Modbus TCP/IP 10/100 Mbit/s 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP DNP3 over ethernet
Communication port support	RS485 ETHERNET
Communication gateway	Ethernet/serial
Data recording	Event logs Maintenance logs Min/max of instantaneous values Data logs Alarm logs Time stamping
Memory capacity	1.1 MB
Web services	Alarm notification by e-mail Web server Diagnostic via predefined web pages Real time viewing of data
Ethernet service	SNTP client SNMP-Traps
Connections - terminals	Voltage circuit screw terminal block4 Control circuit screw terminal block2 Current transformer screw terminal block6 RS485 link screw terminal block4 Digital input screw terminal block8 Digital output screw terminal block4 Ethernet network RJ45 connector2
Mounting Mode	Flush-mounted
Mounting support	Framework
Standards	EN 50470-3 IEC 61557-12 IEC 62053-22 IEC 62053-24 IEC 60529 EN 50470-1 UL 61010-1
Product certifications	CE IEC 61010-1 CULus UL 61010-1
Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Height	3.78 in (96 mm)
Net Weight	15.87 oz (450 g)

Environment

Electromagnetic compatibility	Limits for harmonic current emissionsclass A IEC 61000-3-2 Conducted RF disturbanceslevel 3 IEC 61000-4-6 Magnetic field at power frequencylevel 4 IEC 61000-4-8 Conducted and radiated emissionsclass B EN 55022 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage IEC 61000-3-3 Electrostatic discharge 8 kVlevel 4 IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test IEC 61000-4-3 Electrical fast transient/burst immunity testlevel 4 IEC 61000-4-4 Surge immunity testlevel 4 IEC 61000-4-5 Voltage dips and interruptions immunity test IEC 61000-4-11
IP degree of protection	Display IP54 IEC 60529 Rear IP30 IEC 60529
Relative humidity	5…95 % 122 °F (50 °C) non-condensing
Pollution degree	2
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Operating altitude	<= 9842.52 ft (3000 m)

Ordering and shipping details

Category	09777-POWERLOGIC PM5000 HARDWARE
Discount Schedule	PL1
GTIN	3606489869717
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.53 in (11.5 cm)
Package 1 Width	4.92 in (12.5 cm)
Package 1 Length	4.92 in (12.5 cm)
Package 1 Weight	22.79 oz (646 g)
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	17.93 lb(US) (8.133 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	29.53 in (75 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	161.08 lb(US) (73.064 kg)

Offer Sustainability

Sustainable offer status	Green Premium product

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Recommended replacement(s)

Life Is On | Schneider Electric