



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	125...250 V DC 100...480 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	10 VA 480 V
Ride-through time	35 Ms 120 V AC typical 129 ms 230 V AC typical
Display Type	Backlit LCD
Display Resolution	128 x 128 pixels
Sampling rate	128 samples/cycle
Measurement current	5...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...690 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 +/- 2 % Active power +/- 0.2 % Voltage +/- 0.1 % Power factor +/- 0.005 Current +/- 0.1 %
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
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	Front IP52 IEC 60529 Body IP30 IEC 60529
Relative humidity	5...95 % 122 °F (50 °C)
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
Nbr. of units in pkg.	1
Package weight(Lbs)	22.79 oz (646.0 g)
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
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)
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Weight	17.93 lb(US) (8.133 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Weight	161.08 lb(US) (73.064 kg)
Package 3 Height	29.53 in (75 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

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
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration

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.