

Product availability: Stock - Normally stocked in distribution facility



Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5563
Product or component type	Power meter

Complementary

Power quality analysis	Up to the 63rd harmonic
Metering type	Measured neutral current Calculated ground current
Device application	Gateway Power monitoring WAGES metering 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	50 Hz 60 Hz
Line Rated Current	1 A 5 A
Type of network	1P + N 3P 3P + 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	Remote LCD display
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

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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 +/- 0.05 % Current +/- 0.15 °C
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	Time stamping Data logs Maintenance logs Event logs Alarm logs Min/max of instantaneous values
Memory capacity	1.1 MB
Web services	Diagnostic via predefined web pages Real time viewing of data Web server Alarm notification by e-mail
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	Clip-on
Mounting support	DIN rail
Standards	EN 50470-3 EN 50470-1 IEC 62053-22 IEC 60529 UL 61010-1 IEC 62053-24 IEC 61557-12 ANSI C12.20
Product certifications	CE IEC 61010-1 CULus UL 61010-1 BTL
Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Height	3.78 in (96 mm)
Product weight	15.87 oz (450 g)

Environment

Electromagnetic compatibility	Limits for harmonic current emissions class A IEC 61000-3-2 Conducted RF disturbances level 3 IEC 61000-4-6 Magnetic field at power frequency level 4 IEC 61000-4-8 Conducted and radiated emissions class B EN 55022 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage IEC 61000-3-3 Electrostatic discharge 8 kV level 4 IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test IEC 61000-4-3 Electrical fast transient/burst immunity test level 4 IEC 61000-4-4 Surge immunity test level 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	00785901553496
Package weight(Lbs)	0.99 kg (2.18 lb(US))
Returnability	Yes
Country of origin	IN

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Dichloromethane (Methylene chloride) and Bisphenol A (BPA) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.