



Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5340
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	60 Hz 50 Hz
Line Rated Current	5 A 1 A
Type of network	3P 1P + N 3P + N
Maximum power consumption in VA	11 VA 415 V
Ride-through time	100 Ms 120 V AC typical 400 Ms 230 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...9000 mA
Analogue input type	Voltage (impedance 10 MOhm) Current (impedance <= 0.3 mOhm)
Measurement voltage	35...760 V AC 45...65 Hz between phases 20...400 V AC 45...65 Hz between phase and neutral
Frequency measurement range	45...65 Hz
Number of inputs	2 digital

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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 IEC 62053-22
Number of Outputs	2 relay 2 digital
Information displayed	Tariff 4)
Communication port protocol	Modbus TCP/IP 10/100 Mbit/s 2500 V BACnet IP
Communication port support	ETHERNET
Data recording	Data logs Alarm logs Time stamping Event logs Min/Max of instantaneous values Maintenance 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	EN 50470-1 IEC 62053-24 IEC 60529 UL 61010-1 IEC 62053-22:2020 EN 50470-3 IEC 61557-12:2015 IEC 62053-23:2020 IEC 62052-11:2020 IEC 62052-31:2015
Product certifications	CE IEC 61010-1[RETURN]CULus UL 61010-1
Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Height	3.78 in (96 mm)
Net Weight	15.17 oz (430 g)

Environment

Electromagnetic compatibility	Limits for harmonic current emissions class A conforming to IEC 61000-3-2 Electrostatic discharge level 4 conforming to IEC 61000-4-2 Conducted RF disturbances level 3 conforming to IEC 61000-4-6 Magnetic field at power frequency level 4 conforming to IEC 61000-4-8 Conducted and radiated emissions class B conforming to EN 55022
IP degree of protection	Display IP51 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) meter -4...158 °F (-20...70 °C) display -13...-4 °F (-25...-20 °C) with reduced performance) display
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
Returnability	Yes
Country of origin	IN

Packing Units

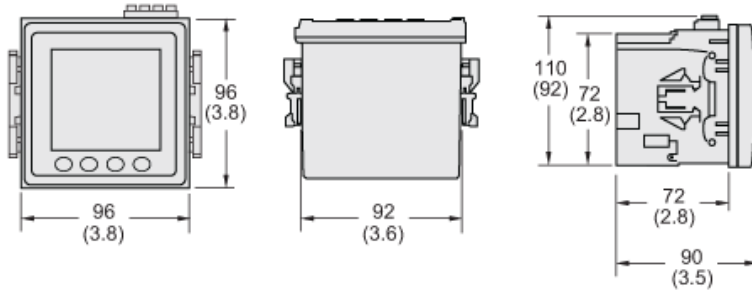
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.72 in (12.0 cm)
Package 1 Width	4.88 in (12.4 cm)
Package 1 Length	4.21 in (10.7 cm)
Package 1 Weight	19.40 oz (550.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	15.04 lb(US) (6.82 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
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.

Approximate Dimensions

PM5000 Series Meters



PM5000 Series Remote Display

