Product data sheet
Characteristics

METSEPM5340
PM5340 Meter, ethernet, up to 31st H, 256K 2DI/2DO 35 alarms

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	100...415 V AC 45...65 Hz 125...250 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	10 VA 415 V
Ride-through time	80 Ms 120 V AC typical 100 Ms 230 V AC typical 100 ms 415 V AC typical
Display type	Backlit LCD
Display resolution	128 x 128 pixels
Sampling rate	64 samples/cycle
Measurement current	10…9000 mA
Analogue input type	Voltage 5 MOhm) Current 0.3 MOhm)
Measurement voltage	35…690 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
Measurement accuracy	Active energy +/- 0.5 % Reactive energy +/- 2 % Active power +/- 0.5 % Apparent power +/- 0.5 % Frequency +/- 0.05 % Power factor +/- 0.005 % Current +/- 0.5 % Voltage +/- 0.5 %
Accuracy class	Class 0.5S active energy IEC 62053-22

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Number of outputs	2 relay 2 digital
Information displayed	Tariff 4)
Communication port protocol	Modbus TCP/IP 10/100 Mbit/s 2500 V
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 EN 50470-3 IEC 61557-12
Product certifications	CE IEC 61010-1 CULus UL 61010-1
Maximum Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Maximum Height	3.78 in (96 mm)
Net Weight	15.17 oz (430 g)

Environment

Electromagnetic compatibility	Limits for harmonic current emissionsclass A IEC 61000-3-2 Electrostatic dischargelevel 4 IEC 61000-4-2 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
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	6561.68 ft (2000 m)

Ordering and shipping details

Category	09777 - POWERLOGIC PM5000 HARDWARE
Discount Schedule	PL1
GTIN	00785901646617
Nbr. of units in pkg.	1
Package weight(Lbs)	1.21 lb(US) (0.55 kg)
Returnability	Yes
Country of origin	IN

Packing Units

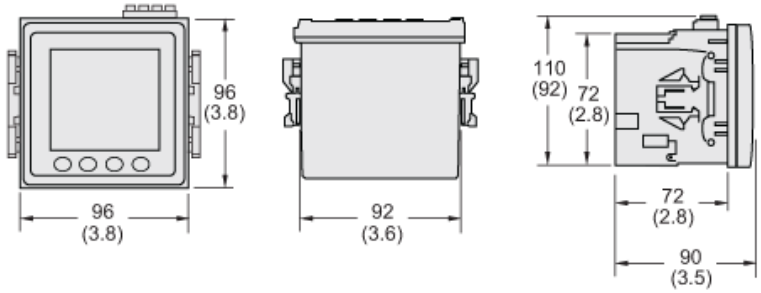
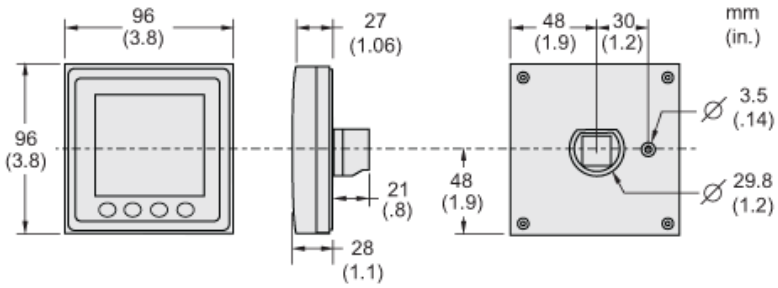
Package 1 Height	4.72 in (120.000 mm)
Package 1 width	4.88 in (124.000 mm)
Package 1 Length	4.21 in (107.000 mm)

Offer Sustainability

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.

Approximate Dimensions

PM5000 Series Meters



PM5000 Series Remote Display