

# Product data sheet

Specifications



## PM5110 Meter, modbus, up to 15th H, 1DO 33 alarms

METSEPM5110

**Product availability : Stock - Normally stocked in distribution facility**

**Price\* : 1,269.56 USD**

### Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5110
Product or Component Type	Power meter

### Complementary

Power quality analysis	up to the 15th harmonic
Device Application	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	50 Hz 60 Hz
Line Rated Current	1 A 5 A
Type of network	1P + N 3P + N 3P
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

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

<b>Frequency measurement range</b>	45...65 Hz
<b>Number of inputs</b>	0
<b>Measurement accuracy</b>	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 %
<b>Accuracy class</b>	Class 0.5S active energy IEC 62053-22
<b>Number of Outputs</b>	1 digital
<b>Communication port protocol</b>	Modbus RTU and ASCII 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires 2500 V JBUS
<b>Communication port support</b>	RS485
<b>Data recording</b>	Time stamping Min/max of instantaneous values
<b>Connections - terminals</b>	Voltage circuit screw terminal block4 Control circuit screw terminal block2 Current transformer screw terminal block6 Input/output circuit screw terminal block6 RS485 link screw terminal block4
<b>Mounting Mode</b>	Flush-mounted
<b>Mounting support</b>	Framework
<b>Standards</b>	UL 61010-1 EN 50470-3 EN 50470-1 IEC 62053-22 IEC 60529 IEC 62053-24 IEC 61557-12
<b>Product certifications</b>	CE IEC 61010-1 CULus UL 61010-1
<b>Width</b>	3.78 in (96 mm)
<b>Depth</b>	2.83 in (72 mm)
<b>Height</b>	3.78 in (96 mm)
<b>Net Weight</b>	13.40 oz (380 g)

## Environment

<b>Electromagnetic compatibility</b>	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
<b>IP degree of protection</b>	Front IP52 IEC 60529 Body IP30 IEC 60529
<b>Relative humidity</b>	5...95 % 122 °F (50 °C)
<b>Pollution degree</b>	2
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Operating altitude</b>	6561.68 ft (2000 m)

## Ordering and shipping details

<b>Category</b>	09777-POWERLOGIC PM5000 HARDWARE
<b>Discount Schedule</b>	PL1
<b>GTIN</b>	3606480613982

Nbr. of units in pkg.	1
Package weight(Lbs)	15.84 oz (449.0 g)
Returnability	No
Country of origin	IN

## Packing Units

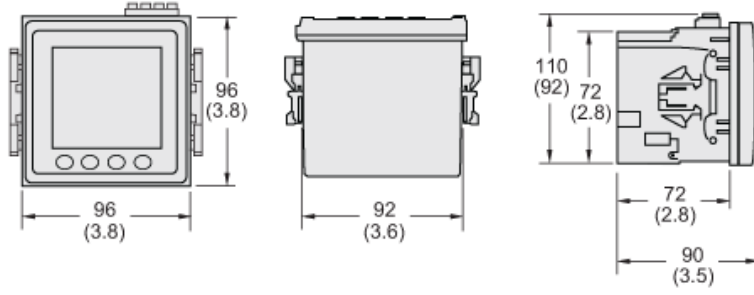
Unit Type of Package 1	PCE
Package 1 Height	4.51 in (11.467 cm)
Package 1 width	5.11 in (12.979 cm)
Package 1 Length	4.94 in (12.544 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Weight	15.85 lb(US) (7.19 kg)
Package 2 Height	11.81 in (30.0 cm)
Package 2 width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Unit Type of Package 3	P12
Number of Units in Package 3	288
Package 3 Weight	455.03 lb(US) (206.4 kg)
Package 3 Height	41.34 in (105.0 cm)
Package 3 width	31.50 in (80.0 cm)
Package 3 Length	47.24 in (120.0 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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

