# Product data sheet
## Characteristics

# METSEPM5110
## PM5110 Meter, modbus, up to 15th H, 1DO 33 alarms

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price** : 863.00 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<br>Voltage<br>Frequency<br>Power factor<br>Energy<br>Active and reactive power |
| Supply voltage | 100...415 V AC 45...65 Hz<br>125...250 V DC |
| Network frequency | 50 Hz<br>60 Hz |
| Line Rated Current | 1 A<br>5 A |
| Type of network | 1P + N<br>3P + N<br>3P |
| Maximum power consumption in VA | 10 VA 415 V |
| Ride-through time | 80 ms 120 V AC typical<br>100 ms 230 V AC typical<br>100 ms 415 V AC typical |
| Display type | Backlit LCD |
| Display resolution | 128 x 128 pixels |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| Sampling rate | 64 samples/cycle |
| Measurement current | 10…9000 mA |
| Analogue input type | voltage 5 MOhm)<br>current 0.3 MOhm) |
| Measurement voltage | 35…690 V AC 45...65 Hz between phases<br>20…400 V AC 45...65 Hz between phase and neutral |
| Frequency measurement range | 45…65 Hz |
| Number of inputs | 0 |
| Measurement accuracy | Active energy +/- 0.5 %<br>Reactive energy +/- 2 %<br>Active power +/- 0.5 %<br>Apparent power +/- 0.5 %<br>Frequency +/- 0.05 %<br>Power factor +/- 0.005 %<br>Current +/- 0.5 %<br>Voltage +/- 0.5 % |
| Accuracy class | Class 0.5S active energy IEC 62053-22 |
| Number of outputs | 1 digital |
| Communication port protocol | Modbus RTU and ASCII 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires 2500 V<br>JBUS |
| Communication port support | RS485 |
| Data recording | Time stamping<br>Min/max of instantaneous values |
| Connections - terminals | Voltage circuit screw terminal block4<br>Control circuit screw terminal block2<br>Current transformer screw terminal block6<br>Input/output circuit screw terminal block6<br>RS485 link screw terminal block4 |
| Mounting mode | Flush-mounted |
| Mounting support | Framework |
| Standards | UL 61010-1<br>EN 50470-3<br>EN 50470-1<br>IEC 62053-22<br>IEC 60529<br>IEC 62053-24<br>IEC 61557-12 |
| Product certifications | CE IEC 61010-1<br>CULus UL 61010-1 |
| Width | 3.78 in (96 mm) |
| Depth | 2.83 in (72 mm) |
| Height | 3.78 in (96 mm) |
| Net weight | 13.40 oz (380 g) |

## Environment

| | |
|---|---|
| Electromagnetic compatibility | Limits for harmonic current emissionsclass A IEC 61000-3-2<br>Electrostatic dischargelevel 4 IEC 61000-4-2<br>Conducted RF disturbanceslevel 3 IEC 61000-4-6<br>Magnetic field at power frequencylevel 4 IEC 61000-4-8<br>Conducted and radiated emissionsclass B EN 55022 |
| IP degree of protection | Front IP52 IEC 60529<br>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 |

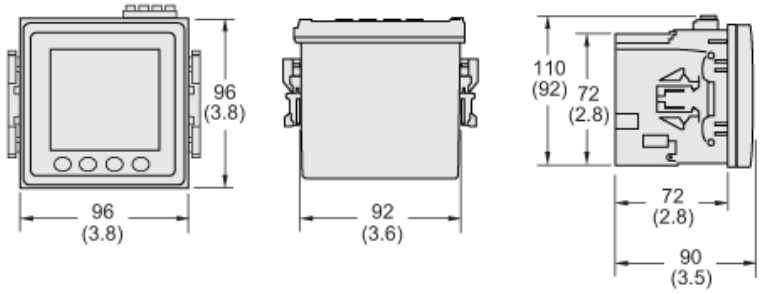
| | |
|---|---|
| Discount Schedule | PL1 |
| GTIN | 00785901869535 |
| Returnability | Yes |
| Country of origin | IN |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Compliant<br>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

