

# Product data sheet

Specifications



power meter PowerLogic PM5563,  
2 ethernet, up to 63th Harmonic,  
1,1MB 4DI/2DO 52 alarms, with  
remote display

METSEPM5563RD

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

**Price\* : 4,316.40 USD**

## 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	100...300 V DC 90...528 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	16 VA 480 V
Ride-through time	35 ms 120 V AC typical 129 ms 230 V AC typical 50 ms 125 V DC typical
Display Type	Remote LCD display
Display Resolution	128 x 128 pixels
Sampling rate	128 samples/cycle
Measurement current	50...10000 mA

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

<b>Analogue input type</b>	voltage 5 MOhm) current <= 0.3 mOhm)
<b>Measurement voltage</b>	20...400 V AC 45...65 Hz between phase and neutral 20...828 V AC 45...65 Hz between phases
<b>Frequency measurement range</b>	45...65 Hz
<b>Number of inputs</b>	4 digital
<b>Measurement accuracy</b>	Apparent power +/- 0.5 % Frequency +/- 0.05 % Active energy +/- 0.2 % Reactive energy +/- 1 % Active power +/- 0.2 % Voltage +/- 0.1 % Power factor +/- 0.005 Current +/- 0.15 % Reactive power +/- 1 %
<b>Accuracy class</b>	Class 0.2S active energy IEC 62053-22
<b>Number of Outputs</b>	2 digital
<b>Information displayed</b>	Tariff 8)
<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 Modbus TCP/IP 10/100 Mbit/s 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP DNP3 over ethernet
<b>Communication port support</b>	RS485 ETHERNET
<b>Communication gateway</b>	Ethernet/serial
<b>Data recording</b>	Time stamping Data logs Maintenance logs Event logs Alarm logs Min/max of instantaneous values
<b>Memory capacity</b>	1.1 MB
<b>Web services</b>	Diagnostic via predefined web pages Real time viewing of data Web server Alarm notification by e-mail
<b>Ethernet service</b>	SNTP client SNMP-Traps
<b>Connections - terminals</b>	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
<b>Mounting Mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Standards</b>	EN 50470-3 EN 50470-1 IEC 62053-22 IEC 60529 UL 61010-1 IEC 62053-24 IEC 61557-12 ANSI C12.20
<b>Product certifications</b>	CE IEC 61010-1 CULus UL 61010-1 BTL
<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>	15.87 oz (450 g)

## Environment

<b>Electromagnetic compatibility</b>	Limits for harmonic current emissionsclass A IEC 61000-3-2 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 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage IEC 61000-3-3 Electrostatic discharge 8 kVlevel 4 IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test IEC 61000-4-3 Electrical fast transient/burst immunity testlevel 4 IEC 61000-4-4 Surge immunity testlevel 4 IEC 61000-4-5 Voltage dips and interruptions immunity test IEC 61000-4-11
<b>IP degree of protection</b>	Display IP54 IEC 60529 Rear IP30 IEC 60529
<b>Relative humidity</b>	5...95 % 122 °F (50 °C) non-condensing
<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>	<= 9842.52 ft (3000 m)

## Ordering and shipping details

<b>Category</b>	09777-POWERLOGIC PM5000 HARDWARE
<b>Discount Schedule</b>	PL1
<b>GTIN</b>	3606480761416
<b>Returnability</b>	Yes
<b>Country of origin</b>	IN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.98 in (15.2 cm)
<b>Package 1 Width</b>	4.84 in (12.3 cm)
<b>Package 1 Length</b>	6.77 in (17.2 cm)
<b>Package 1 Weight</b>	35.13 oz (996.0 g)

## Offer Sustainability

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

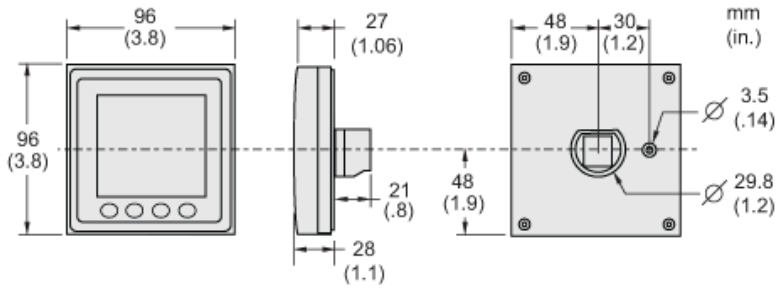
---

**WEEE**

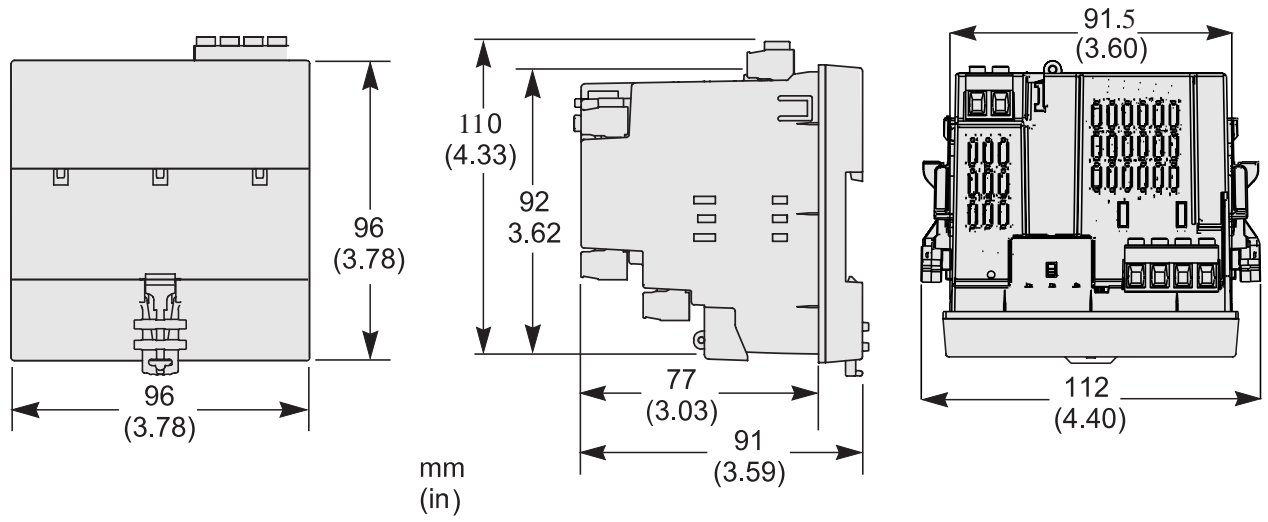
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Approximate Dimensions

PM5000 Series Remote Display



Dimensions



PM5563

ALL DIMENSIONS ARE APPROXIMATE.  
REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.

Recommended replacement(s)