

# Product datasheet

Specifications



## PM5563 Meter, 2 ethernet, up to 63th H, 1,1M 4DI/2DO 52 alarms, w remote display

METSEPM5563RD

### 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	125...250 V DC 100...480 V AC 45...65 Hz
Network frequency	50 Hz 60 Hz
[In] rated current	1 A 5 A
Type of network	1P + N 3P 3P + N
Maximum power consumption in VA	10 VA at 480 V
Ride-through time	35 ms 120 V AC typical 129 ms 230 V AC typical
Display type	Remote LCD display
Display resolution	128 x 128 pixels
Sampling rate	128 samples/cycle
Measurement current	5...10000 mA
Analogue input type	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
Measurement voltage	20...400 V AC 45...65 Hz between phase and neutral

<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 +/- 0.1 %
<b>Accuracy class</b>	Class 0.2S active energy conforming to 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 at 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires, insulation 2500 V JBUS Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP
<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 conforming to IEC 61010-1 CULus conforming to UL 61010-1 BTL
<b>Width</b>	96 mm
<b>Depth</b>	72 mm
<b>Height</b>	96 mm
<b>Net weight</b>	450 g

## Environment

<b>Electromagnetic compatibility</b>	Limits for harmonic current emissions class A conforming to IEC 61000-3-2 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
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Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3  
 Electrostatic discharge - test level: 8 kV level 4 conforming to IEC 61000-4-2  
 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3  
 Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4  
 Surge immunity test level 4 conforming to IEC 61000-4-5  
 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11

<b>IP degree of protection</b>	IP52 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
<b>Relative humidity</b>	5...95 % at 50 °C
<b>Pollution degree</b>	2
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	3000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	996 g
<b>Package 1 Height</b>	15.2 cm
<b>Package 1 width</b>	12.3 cm
<b>Package 1 Length</b>	17.2 cm
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	1
<b>Package 2 Weight</b>	980 g
<b>Package 2 Height</b>	15 cm
<b>Package 2 width</b>	17.5 cm
<b>Package 2 Length</b>	12.5 cm
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	8
<b>Package 3 Weight</b>	8.552 kg
<b>Package 3 Height</b>	30 cm
<b>Package 3 width</b>	30 cm
<b>Package 3 Length</b>	40 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins