



## Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5320R
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
[Us] rated supply voltage	100...415 V AC 45...65 Hz 125...250 V DC
Network frequency	60 Hz 50 Hz
[In] rated current	1 A 5 A
Poles description	1P + N 3P 3P + N
Maximum power consumption in VA	10 VA at 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 (impedance 5 MOhm) Current (impedance 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 conforming to IEC 62053-22
Number of outputs	2 digital
Information displayed	Tariff (4)
Communication port protocol	Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V
Communication port support	Ethernet
Data recording	Data logs Time stamping Alarm logs Min/Max of instantaneous values Maintenance logs Event logs
Memory capacity	256 kB
Connections - terminals	Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Input/Output circuit: screw terminal block6 Relay output: screw terminal block4 Ethernet network: RJ45 connector Current transformer: RJ45 connector1
Mounting mode	Flush-mounted
Mounting support	Framework
Standards	IEC 62053-22 IEC 61557-12 EN 50470-3 IEC 60529 EN 50470-1 UL 61010-1 IEC 62053-24
Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1
Width	96 Mm
Depth	72 Mm
Height	96 Mm
Net weight	430 G

## Environment

Electromagnetic compatibility	Limits for harmonic current emissions class A conforming to IEC 61000-3-2 Electrostatic discharge level 4 conforming to IEC 61000-4-2 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
IP degree of protection	IP52 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
Relative humidity	5...95 % at 50 °C
Pollution degree	2
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	2000 m

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes

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

Product Life Status : **Commercialised**