

## power meter PowerLogic PM5320, ethernet, up to 31st Harmonic, 256KB 2DI/2DO 35 alarms

METSEPM5320

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Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5320
Product or component type	Power meter

up to the 31st harmonic
Multi-tariff Power monitoring
Current Voltage Frequency Power factor Energy Active and reactive power
90450 V AC 4565 Hz 100300 V DC
50 Hz 60 Hz
1 A 5 A
1P + N 3P + N 3P
11 VA at 415 V
80 ms 120 V AC typical 100 ms 230 V AC typical 100 ms 415 V AC typical 50 ms 125 V DC typical
Monochrome graphic LCD
128 x 128 pixels
64 samples/cycle
58500 mA
Voltage (impedance 5 MOhm) Current (impedance <= 0.3 mOhm)
35760 V AC 4565 Hz between phases 20440 V AC 4565 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 +/- 0.5 Current +/- 0.5 % Voltage +/- 0.5 % Apparent energy +/- 0.5 % Reactive power +/- 2 %	
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 BACnet IP	
Communication port support	ETHERNET	
Data recording	Maintenance logs Alarm logs Min/max of instantaneous values Event logs Time stamping Data logs	
Memory capacity	256 kB	
Connections - terminals	Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Current transformer: screw terminal block6 Input/output circuit: screw terminal block6 Relay output: screw terminal block4 Ethernet network: RJ45 connector	
Mounting mode	Flush-mounted	
Mounting support	Framework	
Standards	IEC 62053-22 EN 50470-1 IEC 60529 IEC 61557-12 UL 61010-1 EN 50470-3 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	
Product weight	430 g	
Environment		
Electromagnetic compatibility	Limitation of voltage changes, voltage fluctuations and flicker in low-voltage class A 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 level 3 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  Limits for harmonic current emissions class A conforming to IEC 61000-3-2  Conducted RF disturbances level 3 conforming to IEC 61000-4-8  Magnetic field at power frequency level 4 conforming to IEC 61000-4-8  Conducted and radiated emissions class B conforming to EN 55022  Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3	

IP degree of protection
IP54 display: conforming to IEC 60529
IP30 rear: conforming to IEC 60529

Relative humidity
5...95 % at 50 °C non-condensing

Pollution degree
2

Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3

Circularity Profile	End of Life Information
Environmental Disclosure	Product Environmental Profile
RoHS exemption information	Yes
Mercury free	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
REACh Regulation	REACh Declaration
Sustainable offer status	Green Premium product
Offer Sustainability	
Package 3 Weight	206.4 kg
Package 3 Length	120.0 cm
Package 3 Width	80.0 cm
Package 3 Height	105.0 cm
Number of Units in Package 3	288
Unit Type of Package 3	P12
Package 2 Weight	7.096 kg
Package 2 Length	40.0 cm
Package 2 Width	30.0 cm
Package 2 Height	30.0 cm
Number of Units in Package 2	12
Unit Type of Package 2	S03
Package 1 Weight	550.0 g
Package 1 Length	12.6 cm
Package 1 Width	12.6 cm
Package 1 Height	11.0 cm
Number of Units in Package 1	1
Unit Type of Package 1	PCE
Packing Units	
Operating altitude	2000 m CAT III 3000 m CAT II
Ambient air temperature for storage	-4085 °C
Ambient air temperature for operation	-25…70 °C meter -20…70 °C display -2520 °C (with reduced performance) display

## Recommended replacement(s)