

# Bảng thông số sản phẩm

Thông số kỹ thuật



power meter PowerLogic PM5310,  
modbus, up to 31st Harmonic,  
256KB 2DI/2DO 35 alarms

METSEPM5310

## Main

Range	PowerLogic
Product Name	PowerLogic PM5000
Device Short Name	PM5310
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
Supply Voltage	90...450 V AC 45...65 Hz 100...300 V DC
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	11 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 50 ms 125 V DC typical
Display Type	Monochrome graphic LCD
Display Resolution	128 x 128 pixels
Sampling Rate	64 samples/cycle
Measurement Current	5...8500 mA
Analogue Input Type	Voltage (impedance 5 MOhm) Current (impedance <= 0.3 mOhm)
Measurement Voltage	35...760 V AC 45...65 Hz between phases 20...440 V AC 45...65 Hz between phase and neutral
Frequency Measurement Range	45...65 Hz
Number Of Inputs	2 digital

<b>Measurement Accuracy</b>	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 %
<b>Accuracy Class</b>	Class 0.5S active energy conforming to IEC 62053-22
<b>Number Of Outputs</b>	2 digital
<b>Information Displayed</b>	Tariff (4)
<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
<b>Communication Port Support</b>	RS485
<b>Data Recording</b>	Event logs Min/max of instantaneous values Alarm logs Data logs Time stamping Maintenance logs
<b>Memory Capacity</b>	256 kB
<b>Connections - Terminals</b>	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
<b>Mounting Mode</b>	Flush-mounted
<b>Mounting Support</b>	Framework
<b>Standards</b>	EN 50470-3 IEC 62053-24 IEC 60529 EN 50470-1 UL 61010-1 IEC 62053-22:2020 IEC 61557-12:2015 IEC 62053-23:2020 IEC 62052-11:2020 IEC 62052-31:2015
<b>Product Certifications</b>	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1
<b>Width</b>	96 mm
<b>Depth</b>	72 mm
<b>Height</b>	96 mm
<b>Net Weight</b>	430 g

## Environment

<b>Electromagnetic Compatibility</b>	<p>Conducted and radiated emissions class A conforming to EN 55011</p> <p>Limits for harmonic current emissions class A conforming to IEC 61000-3-2</p> <p>Immunity to conducted disturbances - test level: 150 kHz...80 MHz level 3 conforming to IEC 61000-4-6</p> <p>Voltage dips and interruptions immunity test level 4 conforming to IEC 61000-4-11</p> <p>Conducted RF disturbances level 3 conforming to IEC 61000-4-6</p> <p>Magnetic field at power frequency level 4 conforming to IEC 61000-4-8</p> <p>Conducted and radiated emissions class B conforming to EN 55022</p> <p>Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3</p> <p>Electrostatic discharge - test level: 8 kV level 4 conforming to IEC 61000-4-2</p> <p>Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3</p> <p>Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4</p> <p>Surge immunity test level 4 conforming to IEC 61000-4-5</p> <p>Voltage dips and interruptions immunity test conforming to IEC 61000-4-11</p>
<b>Ip Degree Of Protection</b>	<p>IP54 display: conforming to IEC 60529</p> <p>IP30 rear: conforming to IEC 60529</p>
<b>Relative Humidity</b>	5...95 % at 50 °C non-condensing
<b>Pollution Degree</b>	2
<b>Ambient Air Temperature For Operation</b>	<p>-25...70 °C meter</p> <p>-20...70 °C display</p> <p>-25...-20 °C (with reduced performance) display</p>
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Operating Altitude</b>	<p>2000 m CAT III</p> <p>3000 m CAT II</p>

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	11.0 cm
<b>Package 1 Width</b>	12.6 cm
<b>Package 1 Length</b>	12.6 cm
<b>Package 1 Weight</b>	492.0 g
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	6.4 kg
<b>Unit Type Of Package 3</b>	P12
<b>Number Of Units In Package 3</b>	288
<b>Package 3 Height</b>	105.0 cm
<b>Package 3 Width</b>	80.0 cm
<b>Package 3 Length</b>	120.0 cm
<b>Package 3 Weight</b>	156.0 kg

## Bền vững

Nhãn **Green Premium™** là cam kết của Schneider Electric trong việc cung cấp sản phẩm với hiệu suất môi trường tốt nhất. Green Premium cam kết tuân thủ các quy định mới nhất, minh bạch về tác động môi trường, cũng như các sản phẩm tuần hoàn và CO<sub>2</sub> thấp.

**Hướng dẫn đánh giá tính bền vững của sản phẩm** là tài liệu kỹ thuật phổ thông giúp làm rõ các tiêu chuẩn nhãn sinh thái toàn cầu và cách diễn giải việc khai báo môi trường.

[Tìm hiểu thêm về Green Premium >](#)

[Hướng dẫn đánh giá về sự bền vững của sản phẩm >](#)



Minh bạch RoHS/REACH

## Hiệu suất sức khỏe



Mercury Free



Rohs Exemption Information

Yes

## Chứng nhận & Tiêu chuẩn

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Weee

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

Circularity Profile

[End of Life Information](#)