

# Bảng thông số sản phẩm

Thông số kỹ thuật



Power quality meter, PowerLogic PM8000, Standard, integrated display, 512 MB, 256 s/c

METSEPM8240

## Main

Range	PowerLogic
Product Name	PowerLogic PM8000
Device Short Name	PM8240
Product Or Component Type	Power meter

## Complementary

Power Quality Analysis	conforming to EN 50160: 2010 compliance report conforming to IEEE 519: 2014 compliance report conforming to IEC 61000-4-30: class S power quality measurement up to the 63rd harmonic harmonic distortion waveform capture voltage sag and swell detection programmability (logic and math functions) conforming to IEC 62586 power quality monitoring disturbance direction detection rapid voltage change
Device Application	Power monitoring WAGES metering
Type Of Measurement	Current Voltage Frequency Active and reactive power total Apparent power total Power factor total Active and reactive power per phase, rms Apparent power per phase, rms Power factor per phase, rms
Supply Voltage	90...415 V AC 45...65 Hz +/- 10 % 110...415 V DC +/- 10 %
Network Frequency	50 Hz 60 Hz
[In] Rated Current	1 A 5 A 10 A
Poles Description	3P + N 3P 1P + N
Power Consumption In Va	18 VA at 415 V AC
Display Type	Colour TFT LCD
Display Resolution	320 x 240 pixels QVGA
Sampling Rate	256 samples/cycle
Measurement Current	50...10000 mA

<b>Analogue Input Type</b>	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
<b>Measurement Voltage</b>	57...400 V AC 42...69 Hz between phase and neutral 100...690 V AC 42...69 Hz between phases
<b>Frequency Measurement Range</b>	42...69 Hz
<b>Number Of Inputs</b>	3 digital 30 V AC 3 digital 60 V DC
<b>Measurement Accuracy</b>	Current +/- 0.1 % Voltage +/- 0.1 % Active energy +/- 0.2 %
<b>Accuracy Class</b>	Class 0.2S active energy conforming to IEC 62053-22 Class 0.2 active energy conforming to ANSI C12.20 Class 0.2 active power conforming to IEC 61557-12 Class 0.5S reactive energy conforming to IEC 62053-24 Class 0.5 power factor conforming to IEC 61557-12 Class 0.2 voltage conforming to IEC 61557-12 Class 0.2 current conforming to IEC 61557-12
<b>Number Of Outputs</b>	1 pulse
<b>Information Displayed</b>	Voltage Current Frequency Power Energy consumption Harmonic distortion
<b>Communication Port Protocol</b>	Modbus RTU at 115 kbauds - 2-wire ION at 115 kbauds - 2-wire DNP3 IEC 61850 Modbus TCP/IP Ethernet Modbus TCP/IP daisy chain at 10/100 Mbit/s RSTP 801.1d 2004
<b>Communication Port Support</b>	ETHERNET Screw terminal block: RS485
<b>Communication Network Type</b>	IPv6 (internet protocol)
<b>Data Recording</b>	Min/max of instantaneous values Waveform logs Sequence of event recording Time stamping Alarm logs Trending/forecasting Sag and swell logs Harmonics logs GPS synchronisation Data logs Event logs 50 data recorders
<b>Memory Capacity</b>	512 MB
<b>Web Services</b>	Customizable home page File upload/download via FTP File upload/download via SFTP Web server Alarm notification by e-mail Viewing of captured waveform (FTP) Viewing of captured waveform (web) HTTPS server
<b>Communication Service</b>	SMTP e-mail notification RSTP support NTP time synchronization DHCP PTP time synchronization
<b>Cybersecurity</b>	Enable/disable communication ports Password protection Syslog protocol support Robust security logs Port hardening

<b>Mounting Mode</b>	Flush-mounted
<b>Mounting Support</b>	Framework
<b>Installation Category</b>	III
<b>Safety Construction</b>	III400...690 V conforming to IEC 61010-1:ed. 3 III400...690 V conforming to EN 61010-1:ed. 3 III347...600 V conforming to UL 61010-1:ed. 3 III347...600 V conforming to CSA C22.2 No 61010-1:ed. 3
<b>Standards</b>	IEC 61557-12 IEC 62052-11 IEC 62053-24 IEC 62053-22 IEEE 1588 IEC 62586-2 IEC 61326-1
<b>Product Certifications</b>	CE CULus N998
<b>Width</b>	96 mm
<b>Depth</b>	77.5 mm
<b>Height</b>	96 mm
<b>Net Weight</b>	581 g

## Environment

<b>Electromagnetic Compatibility</b>	Electrostatic discharge 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 conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Magnetic field at power frequency conforming to IEC 61000-4-8 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 Immunity to impulse waves conforming to IEC 61000-4-12 Conducted and radiated emissions conforming to EN 55022 Conducted and radiated emissions conforming to EN 55011 Conducted and radiated emissions conforming to FCC part 15 Conducted and radiated emissions conforming to ICES-003 Conducted RF disturbances (2...150 Hz) conforming to CLC/TR 50579 Surge withstand conforming to IEEE C37.90.1
<b>Ip Degree Of Protection</b>	IP54 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
<b>Relative Humidity</b>	5...95 %
<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 Height</b>	14 cm
<b>Package 1 Width</b>	14 cm
<b>Package 1 Length</b>	18.5 cm
<b>Package 1 Weight</b>	0.954 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 nhân 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



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](#)