

Product data sheet

Specifications



power meter PM810 - without display

PM810UMG

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

Main

Range Of Product	PowerLogic PM800
Device Short Name	PM810
Product Or Component Type	Power meter

Complementary

Power Quality Analysis	Up to the 31st harmonic
Type Of Measurement	Current Voltage Frequency Power factor total Apparent power total Active power total Reactive power total Apparent power per phase Active power per phase Reactive power per phase Energy Power factor per phase
Supply Voltage	125...250 V DC 115...415 V AC 45...67 Hz 115...415 V AC 350...450 Hz
Network Frequency	350...450 Hz 45...67 Hz
Maximum Power Consumption In Va	15 VA
Display Type	Without Display
Sampling Rate	128 samples/cycle
Measurement Current	1 A 5 A
Input Type	Current 0.005...10 A (impedance <= 0.1 Ohm)
Measurement Voltage	0...600 V AC phase to phase 0...347 V AC phase to neutral
Number Of Inputs	1 digital 0...5 mA 24...125 V AC/DC
Measurement Accuracy	Current 0.5 % 0.5...10 A Voltage 0.2 % 10...227 V Energy 0.2 % Frequency 0.01 Hz Power factor 0.002 Power 0.2 %
Accuracy Class	Class 2 reactive energy IEC 62053-23 Class 0.5S active energy IEC 62053-22 Class 0.2 active energy ANSI C12.20

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number Of Outputs	1 digital (static)
Communication Port Protocol	Modbus 38.4 kbauds
Communication Port Support	RS485
Data Recording	Time stamping Without memory GPS synchronisation Min/max of instantaneous values Alarms

Environment

Electromagnetic Compatibility	Immunity to impulse waves IEC 61000-4-12 Limits for harmonic current emissions IEC 61000-3-2 Conducted and radiated emissions EN 55011 class A Electrostatic discharge immunity testclass III IEC 61000-4-2 Susceptibility to electromagnetic fieldsclass III IEC 61000-4-3 Electrical fast transient/burst immunity testclass III IEC 61000-4-4 1.2/50 µs shock waves immunity testclass III IEC 61000-4-5 Conducted RF disturbancesclass III IEC 61000-4-6 Immunity to impulse wavesclass III IEC 61000-4-8 Immunity to microbreaks and voltage dropsclass III IEC 61000-4-11 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage IEC 61000-3-3
Mounting Mode	Clip-on
Mounting Support	DIN rail
Type Of Installation	Indoor installation
Overvoltage Category	III
Ip Degree Of Protection	IP30 back: conforming to IEC 60529 IP52 front face: conforming to IEC 60529
Relative Humidity	90 % 104 °F (40 °C)
Pollution Degree	2
Ambient Air Temperature For Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Operating Altitude	0...9842.52 ft (0...3000 m)
Standards	UL 508 IEC 61010-1 CSA C22.2 No 14
Product Certifications	CE cULus
Width	3.78 in (96 mm)
Depth	Meter 1.57 in (40 mm)
Height	3.78 in (96 mm)
Net Weight	1.32 lb(US) (0.6 kg)

Ordering and shipping details

Category	09786-SE ENTRY POWER METER
Discount Schedule	PL1
Gtin	3303431002108
Returnability	No
Country Of Origin	MX

Contractual warranty

Warranty

18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency

Eu Rohs Directive	Compliant EU 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.