Product datasheet

Specifications

power meter PM710 - basic readings, THD + min/max + RS485

PM710MG

Discontinued on: 31 Dec 2014

End-of-service on: 31 Dec 2019

Discontinued

EAN Code: 3303432028718

Main

Range of product	PowerLogic PM700
Device short name	PM710
Product or component type	Power meter

Complementary

Power quality analysis	Total harmonic distortion
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
supply voltage	125...250 V DC 115...415 V AC 45...65 Hz
Network frequency	45...65 Hz
Maximum power consumption in VA	5 VA
Display type	Backlit LCD
Display resolution	6 lines
Sampling rate	32 samples/cycle
Measurement current	5 A 1 A
input type	Current 0.005...6 A (impedance <= 0.1 Ohm)
Measurement voltage	10…480 V AC 45...65 Hz phase to phase 10…277 V AC 45...65 Hz phase to neutral
Measurement accuracy	Power 1 % Current 0.5 % 1...6 A Voltage 0.5 % 50...227 V Frequency 0.02 Hz 45...65 Hz Power factor 0.0034 1A to 6A and from -0.5 to +0.5
Accuracy class	Class 2 reactive energy conforming to IEC 62053-23 Class 1 active energy conforming to IEC 62053-21
Communication port protocol	Modbus 19.2 kbauds
Communication port support	RS485
Data recording	Min/max of instantaneous values

Environment

Electromagnetic compatibility	Limits for harmonic current emissions: , conforming to IEC 61000-3-2 Conducted and radiated emissions: , conforming to EN 55011 class B Electrostatic discharge immunity test: , class III, conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields: , class III, conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test: , class III, conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test: , class III, conforming to IEC 61000-4-5 Conducted RF disturbances: , class III, conforming to IEC 61000-4-6 Immunity to impulse waves: , class III, conforming to IEC 61000-4-8 Immunity to microbreaks and voltage drops: , class III, conforming to IEC 61000-4-11 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage: , conforming to IEC 61000-3-3
Mounting mode	Flush-mounted
Mounting support	Panel
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	95 % at 50 °C
Pollution degree	2
Ambient air temperature for operation	-5…50 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	0...3000 m
Standards	IEC 61010-1 UL 508 CSA C22.2 No 14
Product certifications	CE cULus
Width	96 mm
Depth	69 mm
Height	96 mm
Net weight	0.37 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	Compliant

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

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