Product data sheet

Specifications



EasyLogic PM2110, Power & Energy meter, Total Harmonic, LED display, Pulse, class 1

METSEPM2110

Product availability: Stock - Normally stocked in distribution facility

Main

Range	EasyLogic
Product name	EasyLogic PM2100
Product or Component Type	Power meter
Device short name	PM2110

Complementary

Device Application	Power monitoring Sub billing
Power quality analysis	total harmonic distortion
Type of measurement	Total current harmonic distortion THD (I) per phase Total voltage harmonic distortion THD (U) per phase Apparent energy total Active and reactive energy total Apparent power total Active and reactive power total Current average Voltage average Frequency average Power factor average
Metering type	Peak demand power PM, QM, SM Apparent power S, S1, S2, S3 Current I, I1, I2, I3 Reactive power Q, Q1, Q2, Q3 Calculated neutral current Voltage U, U21, U32, U13, V, V1, V2, V3 Peak demand currents Unbalance current Demand power P, Q, S Active power P, P1, P2, P3 Active, reactive, apparent energy (signed, four quadrant)
Accuracy class	Class 1 active energy IEC 62053-21 Class 1 reactive energy IEC 62053-24
Measurement accuracy	Apparent power +/- 1 % Active energy +/- 1 % Reactive energy +/- 1 % Active power +/- 1 % Voltage +/- 0.5 % Power factor +/- 0.01 Current +/- 0.5 % Frequency +/- 0.05 %
Measurement current	5…6000 mA
Measurement voltage	35…480 V AC 50/60 Hz between phases 20…277 V AC 50/60 Hz between phase and neutral 480…999000 V AC 50/60 Hz with external VT
Frequency measurement range	45…65 Hz
[Us] rated supply voltage	44...277 V AC 45...65 Hz +/- 10 % 44...277 V DC +/- 10 %

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

Network Frequency	60 Hz 50 Hz
Ride-through time	100 ms 120 V AC typical 400 ms 230 V AC typical 50 ms 125 V DC typical
Line Rated Current	5 A 1 A
Maximum power consumption in VA	6 VA 277 V AC
Maximum power consumption in W	3.3 W power lines (AC)) 2 W 277 V power lines (DC))
input impedance	Current (impedance <= 0.3 mOhm) Voltage (impedance > 5 MOhm)
Tamperproof of settings	Protected by access code
Display Type	7 segments LED
Display colour	Red
Messages display capacity	3 fields of 4 characters
Display digits	12 - 0.6 in (14.2 mm)
Demand intervals	Configurable from 1 to 60 min
Information displayed	Demand current past value) Demand current present value) Demand power past value) Demand power present value) Voltage Current Frequency Energy consumption Harmonic distortion Power factor Active power Apparent power Reactive power Unbalanced in %
Control type	3 x button
Local signalling	Red LED output signal 1...9999000 pulse/ k_h (kWh, kVAh, kVARh) Green LED module operating (RUN)
Number of inputs	0
Number of Outputs	1 pulse
POP parameter	20 ms 5...40 V DC, 20 mA 1...9999000 pulse/ k_h (kWh, kVAh, kVARh)
Impulse duration	20 ms
Communication port protocol	POP
Sampling rate	64 samples/cycle
Cybersecurity	Enable/disable communication ports
Communication Service	Remote monitoring
Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 CULus conforming to CSA C22.2 No 61010-1 RCM EAC C-tick
Mounting Mode	Clip-on
Mounting position	Vertical
Mounting support	Framework
Provided equipment	1 x Installation guide

Measurement category	Category III 480 V Category II 480…600 V
Electrical Insulation Class	Double insulation Class II
Flame retardance	V-0 conforming to UL 94
Connections - terminals	Current transformer screw connection bottom) 6 Voltage inputs screw connection top) 4
Material	Polycarbonate
Width	3.8 in (96 mm)
Depth	Total : 3.00 in (76.09 mm) Embedded : 2.43 in (61.64 mm)
Height	3.8 in (96 mm)
Net Weight	10.6 oz (300 g)
Compatibility code	PM2110

Environment

Service Life	7 year(s)
IP degree of protection	IP54 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
Relative humidity	5…95 % 122 °F (50 °C)
Pollution degree	2
Ambient air temperature for operation	14…140 °F (-10…60 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Operating altitude	<= 6561.68 ft (2000 m)
Electromagnetic compatibility	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 Emission tests conforming to FCC Part 15 class A
Overvoltage category	III

Ordering and shipping details

Category	US10PL109734
Discount Schedule	0PL1
GTIN	3606480800139
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.724 in (12.000 cm)
Package 1 Width	3.543 in (9.000 cm)
Package 1 Length	4.882 in (12.400 cm)

Package weight(Lbs)	14.180 oz (402.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	17.286 lb(US) (7.841 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	144
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	157.031 lb(US) (71.228 kg)

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 >

Environmental footprint

Total lifecycle Carbon footprint	**158 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**21 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**137 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.8 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**408f3656-3c4a-4246-a1bc-3e783803af5e**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

Recyclability potential, in %	**9**
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**