



## Main

Range	EasyLogic
Product name	EasyLogic PM2200
Device short name	PM2220
Product or component type	Power meter

## Complementary

Device application	Power monitoring Sub billing
Power quality analysis	Up to the 15th harmonic Total harmonic distortion
Type of measurement	Apparent power (min/max, total) Active and reactive power (min/max, total) Current (min/max, avg) Voltage (min/max, avg) Frequency (min/max, avg) Total current harmonic distortion THD (I) (per phase) Total voltage harmonic distortion THD (U) (per phase) Power factor (min/max, avg) Apparent energy (total) Active and reactive energy (total)
Metering type	Active power P, P1, P2, P3 Apparent power S, S1, S2, S3 Peak demand currents Reactive power Q, Q1, Q2, Q3 Unbalance current Active, reactive, apparent energy (signed, four quadrant) Calculated neutral current Current I, I1, I2, I3 Voltage U, U21, U32, U13, V, V1, V2, V3
Accuracy class	Class 1 (active energy according to IEC 62053-21) Class 1 (reactive energy according to IEC 62053-24) Class 5 (harmonic distortion (I THD & U THD))
Measurement accuracy	+/- 0.05 % frequency +/- 1 % reactive energy +/- 1 % reactive energy +/- 0.5 % current +/- 0.5 % voltage +/- 0.01 power factor +/- 1 % active power +/- 1 % apparent power +/- 1 % active energy
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 +/- 10 % (45...65 Hz) 44...277 V DC +/- 10 %
Network frequency	50 Hz 60 Hz
Ride-through time	100 ms 120 V AC typical

400 ms 230 V AC typical  
50 ms 125 V DC typical

[In] rated current	1 A 5 A
Power consumption in VA	<= 6 VA at 277 V AC
Power consumption in W	<= 3.3 W power lines (AC) <= 2 W at 277 V power lines (DC)
Analogue input type	Current (impedance <= 0.3 mOhm) Voltage (impedance > 5 MOhm)
Tamperproof of settings	Protected by access code
Display type	Backlit LCD
Display colour	Monochrome
Display resolution	128 x 128 pixels
Refresh time	Configurable from 1 to 60 min
Information displayed	Voltage Current Frequency Energy consumption Harmonic distortion Demand current past value Demand current present value Demand power past value Demand power present value Power factor Active power Apparent power Reactive power Unbalanced in % Harmonic amplitude
Control type	4 x button
Local signalling	Green LED : module operation and integrated communication Red LED : output signal 1...9999000 pulse/ k_h (kWh, kVAh, kVARh)
Number of inputs	2 pulse
Number of outputs	0
Communication port protocol	Modbus RTU 2 wires, : 4800 bps, 9600 bps, 19200 bps, 38.4 Kbps, even/odd or none, insulation: 2500 V
Communication port support	Screw terminal block : RS485
Data recording	Time stamping Min/max for 8 parameters
Function available	Real time clock
Sampling rate	64 samples/cycle
Cybersecurity	Enable/disable communication ports
Communication service	Remote monitoring
Language	Chinese English French German Portuguese Russian Spanish
Product certifications	C-Tick CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 EAC CULus conforming to CSA C22.2 No 61010-1 RCM
Mounting mode	Clip-on
Mounting position	Vertical
Mounting support	Framework
Provided equipment	Installation guide 1
Measurement category	Category III up to 480 V Category II up to 480...600 V
Electrical insulation class	Class II Double insulation
Flame retardance	V-0 conforming to UL 94
Connections - terminals	Current transformer : bottom screw connection x 6

Voltage inputs : top screw connection x 4

Material	Polycarbonate
Cut-out dimensions	90 x 90 mm
Width	96 mm
Depth	76.09 mm total 61.64 mm embedded
Height	96 mm
Product weight	300 g
Compatibility code	PM2220

## Environment

service life	7 yr
IP degree of protection	IP30 (body) conforming to IEC 60529 IP30 (body) conforming to IEC 60529 IP54 (front) conforming to IEC 60529
relative humidity	5...95 % 50 °C
pollution degree	2
ambient air temperature for operation	-10...60 °C
ambient air temperature for storage	-25...70 °C
operating altitude	<= 2000 m
electromagnetic compatibility	Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 Electrostatic discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 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 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Emission tests conforming to FCC part 15 class A
overvoltage category	III

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1601 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available