



Main

Range	PowerLogic
Product name	PowerLogic EM4200
Device short name	Enercept
Product or component type	Energy meter
Type of cable	IEC cable
Device application	Power monitoring

Complementary

Metering type	Power factor Active power P, P1, P2, P3 Voltage U21, U32, U13, V1, V2, V3 Average current Iavg Active, reactive, apparent energy (signed, four quadrant) Apparent power S, S1, S2, S3 Peak demand power PM, QM, SM Reactive power Q, Q1, Q2, Q3 Demand power P, Q, S Frequency
Accuracy class	Class 0.2 conforming to ANSI C12.20 Class 1S conforming to IEC 62053-24
Measurement current	50...5000 A
Measurement voltage	90 V AC 45...65 Hz minimum per phase 480 V AC 45...65 Hz between phases 300 V AC 45...65 Hz between phase and neutral
Frequency measurement range	45...65 Hz
Network frequency	50 Hz 60 Hz
Display type	Without display
Control type	ADDRESS, range: 1...99 with rotary switch(es) CT AMPS, range: 5...5000 with rotary switch(es)
Local signalling	Status: LED (green and red) Line fault: 3 LED (green, orange and red) Dial pointer indication: LED (yellow) RX/TX: 2 LED (green, orange and red)
Signal	Current 0.333 V (impedance 33 kOhm) Voltage (impedance 2.5 MOhm) single phase Voltage (impedance 5 MOhm) phase to phase
Number of inputs	0
Number of outputs	0
Communication port protocol	Modbus RTU at 9600 bauds...115200 bauds (automatic detection) BACnet MS/TP at 9600 bauds...115200 bauds (automatic detection)
Communication of data	Net energy Total energy
Demand intervals	Fixed or rolling block
Provided equipment	Bracket for support Hook
Connections - terminals	Input/Output: plug-in connector (bottom) 0.2...1.5 mm ² cable(s) Current transformer: plug-in connector (bottom) 0.2...1.5 mm ² cable(s) Communication: plug-in connector (bottom) 0.2...1.5 mm ² cable(s)
Wire stripping length	6 mm

Mounting mode	By screws By hook Clip-on
Mounting support	Enclosure DIN rail
Standards	EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 1010.1-92
Product certifications	CE conforming to EN 61010-1 CULus conforming to UL 61010-1 BTL IEC
Width	46.63 mm
Depth	35.81 mm
Height	152.36 mm
Net weight	4 kg




Environment

Measurement category	Category III 277 V Category III 300 V
Electromagnetic compatibility	Conducted and radiated emissions conforming to FCC part 15 class A Conducted and radiated emissions conforming to EN 61000-6-4 Conducted and radiated emissions conforming to EN 61326 + A1 Immunity to conducted disturbances conforming to EN 61000-6-2 Immunity to conducted disturbances conforming to EN 61326-1 Immunity to radiated fields conforming to EN 61000-6-2 Immunity to radiated fields conforming to EN 61326-1
IP degree of protection	IP20 conforming to IEC 60529
Relative humidity	0...95 %
Pollution degree	2
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 3000 m

Packing Units

Package 1 Weight	0.640 kg
Package 1 Height	10.200 cm
Package 1 width	21.000 cm
Package 1 Length	24.100 cm

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins