

Product data sheet

Specifications



Enercept Meter, class 0.2S, Modbus/BACnet RS-485, user choice, ANSI wire code

METSEEM4236

Product availability: Non-Stock - Not normally stocked in
distribution facility

Price*: 889.72 USD

Main

Range	PowerLogic
Product Name	PowerLogic EM4200
Device Short Name	Enercept
Product Or Component Type	Energy meter
Type Of Cable	ANSI cable
Device Application	Power monitoring

Complementary

Metering Type	Active, reactive, apparent energy (signed, four quadrant) Apparent power S, S1, S2, S3 Demand power P, Q, S Active power P, P1, P2, P3 Reactive power Q, Q1, Q2, Q3 Power factor Average current Iavg Peak demand power PM, QM, SM Frequency Voltage U21, U32, U13, V1, V2, V3
Accuracy Class	Class 0.2 ANSI C12.20 Class 1S 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 1...99 rotary CT AMPS 5...5000 rotary
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

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

Communication Port Protocol	Modbus RTU 9600 bauds...115200 bauds (automatic detection) BACnet MS/TP 9600 bauds...115200 bauds (automatic detection)
Communication Of Data	Remote control orders Total energy Net energy
Demand Intervals	External synchronisation to communication Fixed or rolling block
Provided Equipment	Bracket for support Hook
Connections - Terminals	Input/output plug-in connector bottom) 0.00...0.00 in² (0.2...1.5 mm²) Current transformer plug-in connector bottom) 0.00...0.00 in² (0.2...1.5 mm²) Communication plug-in connector bottom) 0.00...0.00 in² (0.2...1.5 mm²)
Wire Stripping Length	0.24 in (6 mm)
Mounting Mode	By screws Clip-on By hook
Mounting Support	Enclosure DIN rail
Standards	EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1-12
Product Certifications	CE EN 61010-1 CULus UL 61010-1 BTL ANSI
Width	1.84 in (46.63 mm)
Depth	1.41 in (35.81 mm)
Height	6.00 in (152.36 mm)
Net Weight	8.82 lb(US) (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	-22...158 °F (-30...70 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Operating Altitude	< 9842.52 ft (3000 m)

Ordering and shipping details

Category	US10PL109791
Discount Schedule	0PL1
Gtin	3606480833892
Returnability	Yes

Country Of Origin	MX
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.82 in (9.7 cm)
Package 1 Width	8.31 in (21.1 cm)
Package 1 Length	9.49 in (24.1 cm)
Package 1 Weight	24.05 oz (681.82 g)

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 >](#)

Well-being performance

	Reach Free Of Svhc	
	Mercury Free	
	Rohs Exemption Information	Yes
Reach Regulation		REACH Declaration
Eu Rohs Directive		Compliant with Exemptions
China Rohs Regulation		China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Weee		The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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