

# Product datasheet

Specifications



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

METSEEM4236

⚠ Discontinued on: 01 Dec 2024

⚠ To be discontinued

### Main

Range	PowerLogic
Product name	PowerLogic EM4200
Product or component type	Energy meter
Device short name	Enercept
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 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

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Communication port protocol</b>	Modbus RTU at 9600 bauds...115200 bauds (automatic detection) BACnet MS/TP at 9600 bauds...115200 bauds (automatic detection)
<b>Communication of data</b>	Remote control orders Total energy Net energy
<b>Demand intervals</b>	External synchronisation to communication Fixed or rolling block
<b>Provided equipment</b>	Bracket for support Hook
<b>Connections - terminals</b>	Input/output: plug-in connector (bottom) 0.2...1.5 mm <sup>2</sup> cable(s) Current transformer: plug-in connector (bottom) 0.2...1.5 mm <sup>2</sup> cable(s) Communication: plug-in connector (bottom) 0.2...1.5 mm <sup>2</sup> cable(s)
<b>Wire stripping length</b>	6 mm
<b>Mounting mode</b>	By screws Clip-on By hook
<b>Mounting support</b>	Enclosure DIN rail
<b>Standards</b>	EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1-12
<b>Product certifications</b>	CE conforming to EN 61010-1 CULus conforming to UL 61010-1 BTL ANSI
<b>Width</b>	46.63 mm
<b>Depth</b>	35.81 mm
<b>Height</b>	152.36 mm
<b>Net weight</b>	4 kg

## Environment

<b>Measurement category</b>	Category III 277 V Category III 300 V
<b>Electromagnetic compatibility</b>	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
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Relative humidity</b>	0...95 %
<b>Pollution degree</b>	2
<b>Ambient air temperature for operation</b>	-30...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	< 3000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	9.7 cm
<b>Package 1 Width</b>	21.1 cm

---

Package 1 Length	24.1 cm
------------------	---------

---

Package 1 Weight	681.82 g
------------------	----------

## 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 77

Environmental Disclosure [Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

REACH Regulation [REACH Declaration](#)

## Use Longer



### Lifetime extension

Repair No

## Use Again



### Repack and remanufacture

End of life manual availability [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