



Main

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|---------------------------|-------------------|
| 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

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|-----------------------------|---|
| 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 33 kOhm) Voltage single phase 2.5 MOhm) Voltage phase to phase 5 MOhm) |
| Number of inputs | 0 |
| Number of Outputs | 0 |
| 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 in ² (0.2...1.5 mm ²) Current transformer plug-in connector bottom) 0.00...0.00 in ² (0.2...1.5 mm ²) Communication plug-in connector bottom) 0.00...0.00 in ² (0.2...1.5 mm ²) |

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| 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

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|---------------------------------------|---|
| Measurement category | Category III 277 V Category III 300 V |
| Electromagnetic compatibility | Conducted and radiated emissions FCC Part 15 class A Conducted and radiated emissions EN 61000-6-4 Conducted and radiated emissions EN 61326 + A1 Immunity to conducted disturbances EN 61000-6-2 Immunity to conducted disturbances EN 61326-1 Immunity to radiated fields EN 61000-6-2 Immunity to radiated fields EN 61326-1 |
| IP degree of protection | IP20 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

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|-------------------|---------------------------------------|
| Category | 09791-POWERLOGIC ENERCEPT POWER METER |
| Discount Schedule | PL1 |
| GTIN | 3606480833892 |
| Returnability | No |

Packing Units

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|------------------------------|---------------------|
| 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) |

Offer Sustainability

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| 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 |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

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|-----------------------|--|
| 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. |