

METSEEM4928A

PowerLogic EM4900 Multi-Circuit Meter – 28x3P circuits - Modbus RTU only



Main

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|---------------------------|---|
| Range | PowerLogic |
| Product or component type | Multi-circuit energy meter |
| Product name | PowerLogic EM4900 |
| Device short name | EM4928 |
| Power monitoring | Basic instrumentation |
| Energy management | Billing analysis Sub billing and cost allocation |
| Device application | Sub billing |
| Type of measurement | Current per phase, rms Current average Phase angle Active power total Active power per phase Apparent power total Apparent power per phase Power factor average Power factor per phase Active energy |
| Metering type | Demand power P Demand current I1, I2, I3, peak demand current IM1, IM2, IM3 |
| [Us] rated supply voltage | 100...277 V AC 50/60 Hz |
| Network frequency | 60 Hz 50 Hz |

Complementary

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| Sampling rate | 256 samples/cycle |
| Current transformer input | 84 solid core CT 0.333 V single pole 42 solid core CT 0.333 V single phase 28 solid core CT 0.333 V three phase 84 split core CT 0.333 V single pole 42 split core CT 0.333 V single phase 28 split core CT 0.333 V three phase |
| Measurement voltage | 150...480 V AC 50/60 Hz between phases 90...277 V AC 50/60 Hz between phase and neutral |
| Measurement accuracy | Power +/- 0.5 % of the measuring range Energy +/- 0.5 % of the measuring range Current +/- 0.5 % of the measuring range Voltage +/- 0.5 % of the measuring range |
| Communication port protocol | Modbus RTU 9600, 19200, 38400 bps even/odd or none - 2 or 4 wires |
| Communication port support | RS485 screw block terminal |
| Data update rate | 2 s Modbus) 14 s BACnet) 20 s SNMP) |
| Data recording | Maximum of demand current Maximum of instantaneous current Maximum of demand active power |
| Communication of data | High current alarm Low current alarm Low-low current alarm Under voltage alarm Over voltage alarm Total energy High-high current alarm |
| Communication service | Updating firmware |

Environment

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|---------------------------------------|----------------------------|
| Mounting mode | Wall mount |
| Installation category | III |
| Pollution degree | 2 |
| Ambient air temperature for operation | 32...140 °F (0...60 °C) |
| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Standards | IEC 61010 UL 508 |
| Maximum Width | 11.34 in (288 mm) |
| Maximum Depth | 5.75 in (146 mm) |
| Net Weight | 3.31 lb(US) (1.5 kg) |

Ordering and shipping details

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|-----------------------|--|
| Category | 09793 - PLOGIC BRANCH CIRCUIT BCPM & MCM |
| Discount Schedule | PL1 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 5.5 lb(US) (2.49 kg) |
| Returnability | No |

Offer Sustainability

| | |
|-------------------|---|
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |