

Multi-Mon™

MULTIPLE BRANCH CIRCUIT ENERGY MONITOR

SPECIFICATION DATA



FEATURES

- Multi-Mon is a three-phase, multi-channel, multi-function Ampere/Volt demand meter suitable for use in single-phase & multi-phase applications.
- Multi-channel submetering - Up to 36 single-phase. 18 two-phase or 12 three-phase submeters in a single, compact device. Any combination of single-, two- and/or three-phase loads can be monitored up to a total of 36 current inputs.
- 2-row, 16-character backlit LCD display for easy set-up and setpoint programming.
- Event recorder for logging internal diagnostic events and operations.
- Data recorders, programmable periodical data logs separate for each sub metered point. Embedded programmable controller (4 control set points, programmable thresholds and delays) separate for each metered point.
- Time-Of-Use (TOU), 4 energy/demand registers x 4 tariffs, 4 seasons x 4 types of days, 8 tariff changes per day, easy programmable tariff schedule.
- Compatible with E-Mon Energy software via EZ7 protocol for automatic meter reading, energy billing and profiling.
- Supplied with Power Software for meter set up and power quality analysis.
- Current sensors available in both split & solid-core. Configurations for increased flexibility in installation. (Current sensors ordered separately. See Multi-Mon current sensor spec sheet for details.)

- Communication options:
 - Modbus RTU via RS-485 communication (standard)
 - Modbus TCP/IP via Ethernet (optional).
- Easy field upgrading device firmware through any communication port.
- Optionally available pre-installed inside a JIC steel enclosure with lockable window panel and 3-phase voltage terminal block. Dimensions: 9.06" H X 23.62" W x 6.10" D.
- Flash memory 8 MB.
- 60 Hz operation.
- Self power supply: 3-phase and neutral fed from the voltages.
- Real time clock.
- Internal clock keeps the clock running over one week without external power.
- NSI C12.20 Class 10/20 Class 0.25 Precision (Active Energy).
- Compliant with ANSI and IEC specifications.

Model Numbers

Multi-Mon 36 channel branch circuit energy monitor (no current sensors)

- E10554 with Modbus RTU
- E10558 with Modbus TCP/IP (Wye Configuration)
- E10556 with Modbus RTU
- E10560 with Modbus TCP/IP (Delta Configuration)

Optional Wired Cabinet Options

- E10634 with Modbus RTU, Wye **without** sensors **with** enclosure
- E10635 with Modbus RTU, Delta **without** sensors **with** enclosure
- E10636 with Modbus TCP/IP, Wye **without** sensors **with** enclosure
- E10637 with Modbus TCP/IP, Delta **without** sensors **with** enclosure

Note: Current sensors ordered separately. See Multi-Mon Current Sensor spec sheet 31-00019 for details.



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Automation and Control Solutions

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