

CLASS 3000 METER

kWh/DEMAND METER WITH COMMUNICATION

Features

- Easy-to-read cycling 4-line by 20-character backlit LCD display:
 - kWh
 - Power factor per phase
 - Amps per Phase
 - kW demand (with peak date and time)
 - Real-time load in kW
 - Volts per phase
- 0-2 volt output split-core current sensors allow for enhanced safety and accurate remote mounting of sensors up to 500 feet from meter without power interruption. (Optional solid-core sensors available for 100 & 200 amp meters only.)
- Installation diagnostics and verification system.
- RS-485 communications capability supports the following connection configurations (or combinations not to exceed 52 devices per channel):
 - Up to 52 Class 3000 meters and/or IDR-8 interval data recorders
 - Up to 26 IDR-16 interval data recorders (IDR-16 counts as two devices)
 Cabling can be either daisy-chain or star configuration, 4-conductor, 24-26 AWG, up to 4,000 cable feet total per channel.
- Communication Options
 - RS-232/RS-485 (Standard)
 - Telephone Modem
 - Ethernet
 - Modbus RTU or TCP/IP
 - BACnet IP or MS/TP
 - LONworks TP (Twisted Pair)
- Records kWh and kVARh data for two channels. Data stored in 15-minute intervals for up to 36 days or 5-minute intervals for up to 12 days. Maintains the last 36 days of data in a first-in, first-out format.
- External meter pulse input (water, gas, BTU, etc.) on 3rd channel.
- Meter is designed for use on both 3-phase, 3-wire (delta) and 3-phase, 4-wire (wye) circuits. (Specify when ordering.)
- Industrial grade JIC steel enclosure with padlocking hasp and mounting flanges for indoor installation with three 1 1/16" KO (3/4" conduit) on bottom of enclosure.
- UL/CUL Listed. Meets or exceeds ANSI C12 national accuracy standard.
- Optional load control/alarm relay (3A, 240V max.) with high and low threshold adjustment.
- MV-90 Compatible.



Dimensions: 9 1/2" H x 6 3/4" W x 4 1/4" D

Model Numbers

120/208-240V, 3-Phase*

208100C* KIT (100 amp)
 208200C* KIT (200 amp)
 208400C* KIT (400 amp)
 208800C* KIT (800 amp)
 2081600C* KIT (1600 amp)
 2083200C* KIT (3200 amp)

277/480V, 3-Phase*

480100C* KIT (100 amp)
 480200C* KIT (200 amp)
 480400C* KIT (400 amp)
 480800C* KIT (800 amp)
 4801600C* KIT (1600 amp)
 4803200C* KIT (3200 amp)

Options

Telephone Modem (Suffix M)
 Ethernet Communication (Suffix E)
 Pulse Output (Suffix Q)
 Modbus RTU Communications (Suffix RTU)
 **Modbus TCP/IP Communications (Suffix ERTU)
 **BACnet IP Communication (Suffix EB)
 BACnet MS/TP (Suffix B)
 LONworks TP (Twisted Pair) (Suffix LTP)
 Load Control Option (Suffix LC)

** Modbus TCP/IP and BACnet IP communicate over Ethernet. No RS-485 daisy-chain capabilities with Modbus TCP/IP & BACnet IP. Each meter must connect directly to the BACnet/Modbus backbone and have a unique IP address.

To order options, add the specified suffix to the end of the model number (e.g., 480100CMY KIT).

NOTE: All meter kits include one set of three (3) split-core current sensors.

* NOTE: Specify Delta or Wye when ordering. Add suffix "Y" for Wye configuration or "T" for Delta configuration. (e.g., 480100CEY or 480100CET)