

**CLASS 2100 Three-Phase Wireless Meter
with Built-In Wireless Transceiver**

Features

- Direct-read 8-digit LCD display without multiplier displays cumulative kWh and "real-time" kW load.
- All meters include demand option. Displays kW Demand and kW peak date and time (15 minute interval.)
- Meter has built-in wireless transceiver for in-building remote meter data collection and can interface with E-Mon wireless data collectors to automatically compile data in PC-based E-Mon metering software.
- Fully self-configuring wireless mesh network allows for easy installation and configuration with no network management required.
- NEMA 4X polycarbonate outdoor enclosure with 1 1/16" KO (3/4" cond.) on bottom of enclosure.
- Non-volatile Memory
- Revenue Grade Metering Accuracy. Certified to ANSI C12.1 and C12.16 electronic meter National Accuracy Standards.
- Wireless transceiver is FCC certified not to interfere with existing infrastructure.
- Wireless mesh network operates in the 915 MHz frequency hopping spread-spectrum license-free band. No cellular wireless service contracts are required.
- Meters with built-in wireless transceivers can be mounted inside buildings within approximately 500 feet line-of-sight from each other and up to 200 feet through walls, depending on wall material.
- 0-2 volt output split-core current sensors promote enhanced safety and accurate remote mounting of current sensors up to 2000 feet from meter without power interruption. (Optional solid-core sensors available for 100 & 200 amp meters.)
- Meters are equipped with a current sensor diagnostics indicator to assist in installation.
- Parallel up to three (3) sets of current sensors for cumulative reading.
- Meter can be used on the following configurations:
 - 3-Phase, 4-Wire
 - 3-Phase, 3-Wire
 - 2-Phase, 3-Wire
- For other configurations contact factory.



Dimensions: 7 1/2" H x 7 1/2" W x 4" D

Model Numbers

**120/208-240V, 3-Phase, 4W
240V, 3-Phase, 3W**

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

**277/480V, 3-Phase, 4W
480V, 3-Phase, 3W**

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

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

Additional Components

Wireless Base Station
Wireless Data Collector (WDC)

CLASS 2100 METER

ENGINEERING SPECIFICATIONS

- Meter shall be fully electronic with digital 8-digit LCD display without multiplier displaying cumulative kWh and “real-time” kW load. Meter includes demand option displaying kW demand and kW peak date and time (15 minute interval.)
- Meter shall provide rate of consumption indication and also a segment test button (CPU) to ensure integrity of the display.
- Meter has built-in wireless transceiver for in-building remote meter data collection and can interface with E-Mon wireless data collectors to automatically compile data in PC-based E-Mon metering software.
- Wireless transceiver is FCC certified not to interfere with existing infrastructure.
- Wireless mesh network operates in the 915 MHz frequency hopping spread-spectrum license-free band. No cellular wireless service contracts are required.
- Meters with built-in wireless transceivers can be mounted inside buildings within approximately 500 feet line-of-sight from each other and up to 200 feet through walls, depending on wall material.
- Meter shall provide a load indicator to indicate real-time consumption levels for field testing and certification.
- Meter shall be equipped with current sensor diagnostic indicator for installation verification.
- Meter shall be enclosed in an outdoor NEMA 4X polycarbonate enclosure with padlocking hasp & mounting flanges for indoor/outdoor installation.
- Meter shall be UL Listed/CUL Listed, certified by a nationally recognized independent test facility to ANSI C12.1 and C12.16 specifications with split-core current sensors, California CTEP approved for use with solid-core current sensors, listed by the California Energy Commission, New York City approved and Con Edison approved for RSP program.
- Meter shall be provided with a non-volatile memory to maintain reading during power outages.
- Meter shall use 0-2 volt output current sensors to allow paralleling and/or mounting up to 2,000 feet from the meter. Sensors shall be of split-core configuration to allow installation without powering down. Sensors shall be available from 100 amp to 3200 amp. Sensors shall be optionally available in solid-core configuration (100 & 200 amp.)
- Meters shall be capable of paralleling up to three (3) sets of current sensors for cumulative reading of multiple loads fed by common transformer.
- Meter shall be available with optional terminal block for fixed-value pulse output.
- Meter shall be provided with modular connector(s) to provide interfacing with:
 - AMR (Automatic Meter Reading)
 - Building Management/Energy Management Systems
- Meters shall be compatible with E-Mon Energy™ software.