CLASS 2000 METER
ENGINEERING SPECIFICATIONS

E-Mon D-Mon
Energy Monitoring Products & Systems

- Meter shall be fully electronic with digital 8-digit LCD display without multiplier displaying cumulative kWh and “real-time” kW load. Meter shall provide rate of consumption indication and also a segment test button (CPU) to ensure integrity of the display.
- 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 a heavy-duty JIC steel enclosure suitable for indoor installation. Meter enclosure provides a method of locking to prevent unauthorized access.
- Meter shall be optionally available in an outdoor NEMA 4X enclosure equipped with a locking method to prevent unauthorized access.
- 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.
- Meters are available with built-in wireless communication (Class 2100 Meters).
- Meter shall be provided with modular connector(s) to provide interfacing with:
  - AMR (Automatic Meter Reading)
  - Building Management/Energy Management Systems
  - Pulse modules
  - Analog signal modules
  - Energy control modules
  - Instantaneous demand displays
- Meter shall be available in multiple meter unit (MMU) configurations of up to 24 meters.
- Meters shall be compatible with E-Mon Energy™ software.