

■ **Class 4100 Meters**

E-Mon D-Mon Class 4100 meters are wireless KWH meters specifically designed for use in multi-family sites, including apartments, condominiums and dormitories. The meters allow for accurate and equitable cost allocation of energy costs to tenants, departments and common areas from virtually any location. Data is transmitted wirelessly via built-in transceivers to a central storage gateway where data can be accessed using E-Mon's automatic meter reading software through Ethernet and Internet.

■ **Key Benefits**

- Flexible** - Ideal for both new and retrofitted facilities.
- Affordable** - 25-year industry standard meters have built-in wireless transceivers that avoid cabling costs.
- Reliable** - Mesh network ensures reliable data transmission.
- Accurate** - Meets national accuracy standards of ANSI C12.1 and C12.16.

■ **Key Features**

- FCC certified not to interfere with existing infrastructure.
- UL Listed. Measurement Canada approved for revenue metering.
- Certified by California Bureau of Weights and Measures. New York City approved and Con Edison approved for RSP program.
- Stores interval data for up to 36 days.
- Meters are read via E-Mon's wireless meter reading software.

Single-Phase Meters

Three-Phase Meters

Load Profiling Meters

Interval Data Recorders

Accessories

Metering Software

Wireless Mesh Network



*Multi-Family Metering
Made Easy.*



E-Mon®

E-Mon D-Mon® Products

Single-Phase Meters

Three-Phase Meters

Load Profiling Meters

Interval Data Recorders

Accessories

Metering Software

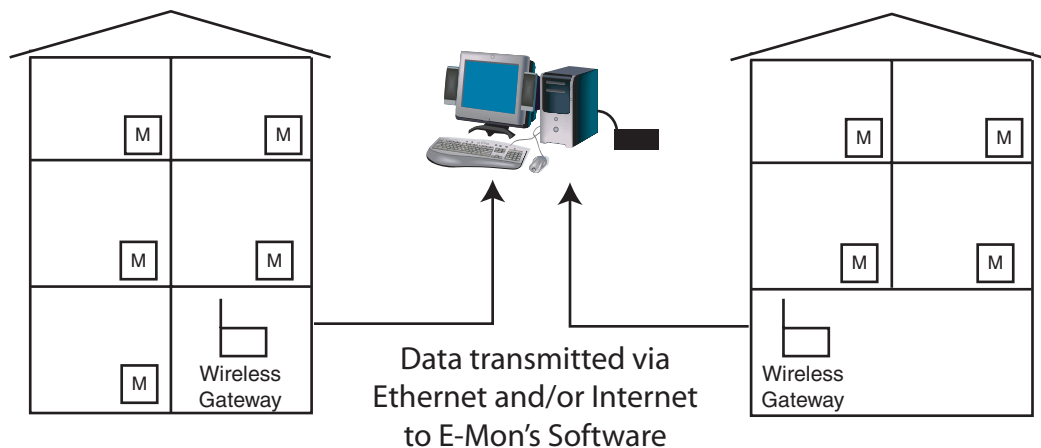
Class 4100 Meters

Additional Benefits

- Energy cost allocation statements can be generated from E-Mon's meter reading software using data transmitted via the wireless mesh network.
- Split-core current sensors install easily without power interruption avoiding tenant disruption.
- Compact enclosure is ideal for installation inside tenant and residential spaces.
- Wireless mesh network provides reliable, efficient data transmission to the data storage gateway and PC.

Specifications

- Wireless mesh radio network operates in the 915 MHz license-free band.
- Self-configuring wireless mesh network requires minimal maintenance and no network management.
- Automatic time synchronization ensures accurate data.
- Local non-volatile data storage.
- Can be read along with standard E-Mon D-Mon and other utility meters via E-Mon's meter reading software.



Wireless Meter Installation.

Class 4100 meters (with built-in wireless transceivers) are easily installed in individual multi-family housing units. A single wireless gateway is also installed inside each building and collects all Class 4100 metered data from that building. The wireless gateway transmits the metered data via Ethernet or Internet to a central PC where all metered data is automatically read and graphed using E-Mon's meter reading software.

E-Mon®

Test Equipment Depot - 800.517.8431 - 99 Washington Street Melrose, MA 02176

FAX 781.665.0780 - TestEquipmentDepot.com

Features

- Easy-to-read 6-digit electro-mechanical display for diagnostics.
- Meter has built-in wireless transceiver for in-building remote meter data collection and can interface with E-Mon wireless gateways to automatically compile data in PC-based E-Mon metering software.
- Meters with built-in wireless transceivers can be mounted inside buildings within approximately 500 feet line-of-sight from each other and up to approximately 200 feet through walls, depending on wall material.
- Revenue grade accuracy.
- On-board memory.
- Meter can be used on the following configurations:
 - 1-Phase, 2-Wire
 - 2-Phase, 3-Wire
- 0-2 volt output split-core current sensors allow for safe and accurate remote mounting of current sensors up to 2,000 feet from meter without power interruption. (Optional solid-core sensors available.)
- Non-metallic enclosure is ideal for installation inside tenant and residential spaces.
- Wireless mesh network operates in the 915 MHz license-free band. No cellular wireless service contracts are required.
- Fully self-configuring wireless mesh network allows for easy installation and configuration with no network management required.
- FCC certified not to interfere with existing infrastructure.
- Meets national accuracy standards of ANCI C12.1 and C12.16.
- UL Listed. New York City approved, Con Edison approved for RSP program. Measurement Canada approved for revenue metering. California Bureau of Weights and Measures certified.



Model Numbers

120V, 1-Phase, 2W
(Supplied with 1 split-core current sensor)
2120100WT KIT (100 amp)
2120200WT KIT (200 amp)

120/208-240V, 1- or 2-Phase, 3W
(Supplied with 2 split-core current sensors)
3208100WT KIT (100 amp)
3208200WT KIT (200 amp)

Additional Components

Wireless Gateway	WGATEWAY
Wireless Meter	
Reading Software	WRSOFT