

Honeywell E-Mon Green Class Meter

SPECIFICATION DATA



Dimensions: 7 1/4" H x 7" W x 3 1/4" D

Fig. 1.

FEATURES

- Direct-read 2-line alpha-numeric LCD display without multiplier displays cumulative kWh, peak demand w/ date & time and "real-time" kW load.
- User entered cost per KWH provides to-date energy cost and projected hourly cost based on metered load.
- Displays total carbon (CO₂) emissions in pounds (lbs.) and indicates hourly emissions based on metered load.
- Available in MMU (Multiple Meter Unit) enclosures containing up to 24 meters in one compact enclosure.
- 0-2 volt output split-core current sensors promote enhanced safety and allow remote mounting of current sensors up to 2000 feet from meter without power interruption. (Optional solid-core sensors available for 100 & 200 amp.)
- Onboard installation diagnostics & verification system.
- 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
 - For other configurations contact factory.
- Fixed-value pulse output.
- Green industrial-grade JIC steel enclosure (standard) with pad locking hasp and mounting flanges for indoor installations with 1 1/16" KO (3/4" cond.) bottom, 7/8" (1/2" cond.) top.

- Optional gray NEMA 4X polycarbonate enclosure with padlocking hasp & mounting flanges for indoor/outdoor installation (stand alone) with one 1 1/16" KO on bottom of enclosure.
- Non-volatile Memory.
- UL/CUL Listed.
- Revenue Grade Accuracy. Certified by independent test lab to ANSI C12.20 national accuracy standards. (+/- 0.2% from 1% to 100% of rated load.)
- Con Edison approved for RSP program.

MODEL NUMBERS

120/208-240V, 3-Phase

E20-208100-J-G-KIT (100 amp)
E20-208200-J-G-KIT (200 amp)
E20-208400-J-G-KIT (400 amp)
E20-208800-J-G-KIT (800 amp)
E20-2081600J-G-KIT (1600 amp)
E20-2083200J-G-KIT (3200 amp)

277/480V, 3-Phase

E20-480100-J-G-KIT (100 amp)
E20-480200-J-G-KIT (200 amp)
E20-480400-J-G-KIT (400 amp)
E20-480800-J-G-KIT (800 amp)
E20-4801600J-G-KIT (1600 amp)
E20-4803200J-G-KIT (3200 amp)

347/600V, 3-Phase 4-W (Wye Config.)

E20-600100-J-G-KIT (100 amp)
E20-600200-J-G-KIT (200 amp)
E20-600400-J-G-KIT (400 amp)
E20-600800-J-G-KIT (800 amp)
E20-6001600J-G-KIT (1600 amp)
E20-6003200J-G-KIT (3200 amp)

Optional Meter Enclosures

Replace "J" in model number with optional enclosure specification.

Specification M - MMU Configuration
— (ex. E20-208100-M-G-KIT)

Specification R - NEMA 4X Raintight Enclosure
— (ex. E20-6001600R-G-KIT)

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



38-00069-01

Green Class 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 shall provide rate of consumption indication and also a segment test button (CPU) to ensure integrity of the display.

Meter shall provide a scrolling display of:

- Total kWh consumed to date
- Total energy cost to date in dollars
- Present load in Kilowatts
- Projected hourly cost based on present load
- Total lbs. of CO2 emissions to date (based on DOE supplied national average)
- Projected hourly CO2 emissions based on present load

Meter shall accept kilowatt hour costs entered by user.

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 green 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 a gray outdoor NEMA 4X polycarbonate enclosure with padlocking hasp & mounting flanges for indoor/outdoor installation.

Meter shall be optionally available in MMU (Multiple Meter Unit) enclosures containing up to 24 meters in one compact enclosure.

Meter shall be UL Listed/CUL Listed to the latest applicable standards for safety.

Meter shall be certified by a nationally recognized independent test facility to ANSI C12.20 (+/- 0.2% from 1% to 100% of rated load) specifications with split-core current sensors.

Meter shall be 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.)

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 Honeywell E-Mon Energy™ software.

Home and Building Technologies

In the U.S.:

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