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**** For Immediate Release ****

E-Mon's New Smart Meters for Energy / Power Quality and BAS Integration Earn UL / CUL / ANSI Listings

New meters extend feature set, offer wider range of metering functions from basic to dual protocol, load control, net metering, expanded memory and storage, and more

LANGHORNE, PA — December 16, 2011 — E-Mon, the electric submetering market leader and manufacturer of the widely installed E-Mon D-Mon® product line, announces the availability of four new Smart Meter Class devices. E-Mon's new smart meters offer built-in communications, advanced energy information—including 38 metering parameters—and expanded communications functions. In addition to recently completing requirements for UL/CUL listing, the meters were certified by an independent testing lab as meeting ANSI C12.20 national accuracy standards of ± 0.2 percent from 1-100 percent of rated load.

Three of the meters — the Class 3400, 5000 and Green Class Net Meter — offer simultaneous dual-protocol communications for integration with multiple BAS systems, billing packages or M&V reporting. “This capability enables one meter to talk to two systems at the same time over industry-standard protocols,” said Don Millstein, President and CEO. “This greatly enhances the value of any meter investment by allowing the user to obtain granular meter data from a single device acting as a separate billing meter and also as an independent building automation system meter.”

To further facilitate cost-effective operation, the meters offer reduced-cost BAS protocol options. The individual features of each new meter include:

Class 3200—available now in a Multiple Meter Unit (MMU) version, the Class 3200 offers a 4-line LCD showing kWh; demand with peak date and time; power factor (%) per phase, real-time load in kW, Amps per phase and more. Meters include built-in RS-485 communications and come standard with EZ7 protocol for use with E-Mon Energy software in NEMA 4X enclosures for both indoor and outdoor use. Class 3200 meters are optionally available with Modbus RTU and BACnet MS/TP protocols.

Class 5000—offers everything the Class 3200 does, including dual-protocol functionality, Ethernet and more in a standalone, non-MMU configuration. The dual-protocol output allows operation for RS-485 and Ethernet communications simultaneously, along with independent communication with E-Mon's Automated Meter Reading (AMR) systems and the Building Automation System (BAS) or other front-end monitoring system. Communication media choices include Modbus RTU, Modbus TCP/IP, BACnet MS/TP, BACnet IP or LonWorks (TP). Also provided are two external inputs for gas, water, BTU or other pulse-output meters and a phase-loss alarm.

Class 3400— provides everything the Class 5000 does, but has an optional expanded feature package that includes built-in functions for load control and two pulse outputs (one kWh and one kVARh). The Class 3400 is slightly larger, providing a 6 x 8-inch enclosure with a larger 4-line display.

Green Class Net Meter—designed for applications requiring collection of net data, this meter provides the same feature set as the Class 5000 but adds kWh delivered, received and net kWh. It also includes dual-protocol functionality, Ethernet, pulse inputs and phase-loss alarming in a standalone, non-MMU configuration.

The new meters provide revenue-grade accuracy and operation with 3-phase, 3-wire (delta) and 3-phase, 4-wire (wye) circuits. Models are available for 208, 480 and 600 Volt applications with split-core currents sensors from 100 Amps to 3200 Amps. All meters come in a NEMA 4X housing for indoor or outdoor use and are optionally available with JIC stand-alone steel enclosures. Each meter class provides an MV-90-compatible configuration.

“The wide range of functionality offered by these meters allows users to select the model and feature set that best fits their needs, without paying for bells and whistles they may not need,” Millstein noted.

For more information, contact E-Mon at (800) 334-3666 or visit www.emon.com.

Price: Model and option dependent; consult factory
Availability: Now
Delivery: Off the shelf through distribution

About E-Mon

Established in 1981, E-Mon is the industry leader in solid-state electronic kilowatt-hour submeters, automatic meter reading software and other energy management products and services. Over 500,000 E-Mon products are installed worldwide for tenant billing, cost allocation, demand side management, energy conservation and load profiling across the spectrum of commercial, industrial, institutional, governmental and multi-family residential facilities. E-Mon was acquired in 2010 by Honeywell Environmental and Combustion Controls (ECC), which operates under Honeywell’s Automation and Controls Solutions business group. E-Mon continues as an active member of the Federal Energy Management Program task force, Alliance to Save Energy, Association of Energy Engineers, U.S. Green Building Council and other organizations. For further information, visit: www.emon.com.

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