

## **H<sub>2</sub>O Degree's Industry-First LoRaWAN-Based Pulse Counter Enables Longer-Distance, Faster Utility Meter Data Collection – No Repeater Network Needed**

Bensalem, PA— June 19, 2018 — Marking an important development in metering technology for tenant utility billing, H<sub>2</sub>O Degree introduces the industry's first LoRaWAN-based meter pulse counter designed to operate with most pulse-output water and gas meters. H<sub>2</sub>O Degree is the leading manufacturer of advanced two-way wireless mesh submetering systems used for tenant billing, leak detection, utility conservation and building automation system integration in multi-family facilities. The company's new [L54230 pulse counter](#) is unique in its ability to communicate via the open-protocol LoRaWAN™ (long-range wide area network) platform to remotely monitor and record utility submetering data. Unlike typical units that connect over proprietary protocols, the pulse counter's cloud-based LoRaWAN platform does not require a dedicated PC or software – or a repeater network. The new H<sub>2</sub>O Degree LoRaWAN-based pulse counter improves data-collection speed, accuracy and communication distance, all while simplifying and reducing the cost of submetering installations.

Each L54230 LoRaWAN two-channel wireless pulse counter can monitor and record dry-contact pulses from two separate (new or retrofit) gas or water utility meters. Water meters that the pulse counter can connect to include: Badger, Elster (AMCO), Master Meter, Norgas, Neptune and SENSUS. Gas meters include: Dattus, Itron Metris and Norgas. The pulse counter's Class A secure wireless 915 MHz interface offers line-of sight, bi-directional communications of over six miles compared to the three-mile range of conventional products. In garden-style multi-family facilities, L54230 units can operate within a 1,000-foot radius from the gateway, covering a 70-plus-acre property. High-rise buildings have a 25-story radius from the gateway, ultimately covering a 50-story building with no repeaters.

"Our one-of-a-kind LoRaWAN meter pulse counter offers building owners and managers significant data-collection and installation cost advantages when tracking tenant metering data compared to using conventional products," said President of H<sub>2</sub>O Degree, Don Millstein. "Not only is communication increased to twice the distance of the industry standard, it eliminates the need for 10 to 20 repeaters."

The product is backed by H<sub>2</sub>O Degree's 10-year battery-life guarantee, which is double the industry norm, and is backed by a five-year warranty.

A datasheet of the L54230 LoRaWAN two-channel wireless pulse counter can be found [here](#).

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