

METER TRANSMISSION UNIT

MTU



MTU Endpoint Features

- 2-Way communication
- On-Demand Reads
- Remote Disconnect Meter/Valve
- Full 2-watt radio transmission
- Field replaceable lithium battery pack
- FCC licensed frequency
- Easy plug & play installation
- Instant installation verification
- Universal MTU
- Multi-port configurations
- Backflow detection
- Leak detection – extreme or residual
- Allows security endpoint alarms
- Over the air programming
- Zero running costs
- Digital pulse configuration



OVERVIEW: The MegaNet™ Meter Transmission Unit (MTU) is the first of a new breed of fixed base AMI products. Above grade, the KP MTU can transmit its data as far as 20 miles line of site, and 3 to 5 miles, in normal deployment. This long range is achieved by two key features of the KP products: (a) The KP system operates on a dedicated, licensed FCC frequency and, (b) The MTU transmits with 2-Watt of power. At 2-Watt, the KP MTU is the most powerful MTU from any AMI supplier in the US. The long range allows the MegaNet™ to be installed in locations previously unavailable to AMI technology.

OPERATION: The MTU is designed to analyze meter usage and data recorded by the encoder register and transmit it back to the utility in real time. The MegaNet™ MTU operates on a licensed frequency in the VHF 136-174 MHz or UHF 450-470 MHz bands, ensuring maximum range and reliability. The MTU can be installed in a variety of configurations including wall/pit mount options, encoder/digital pulse, and single/dual/quad port configurations. The standard MTU is pre-programmed to deliver hourly data. Electronic data collection improves customer service and allows the utility to better address consumption disputes, water conservation, and monitor water usage.



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When attached to a meter, the MTU monitors, identifies, and immediately notifies the utility of alarms such as continuous flow, no flow, leaks, tampering, reverse flow, and others. Readings and meter data are stored in the MCM software database for historical customer usage profile generation.

COMPATIBILITY: The MegaNet™ MTU is universal and compatible with Hersey (Translator & SSR), Honeywell (Scancode, Invision Q4, and Smart Meter), Neptune (ARB III / IV / V, ProRead, Auto Detect, and E-Coder), Sensus (ECR II, Ipearl and ICE), Badger (ADE & HRE), Metron, Master Meter, Kamstrup Zenner and all other common Absolute Encoder registers. Digital Pulse MTU compatible with Honeywell Digital and Badger RTR registers.

PERFORMANCE: The MegaNet™ MTU only has one operational mode, full 2-watt of power output in each transmission, without any reduction to warranty. Based on two and a half decades of expertise and experience deploying Fixed Networks in the demanding security industry, MegaNet™ technology employs field proven levels of safety measures to protect the data, creating the most reliable communication system offered to the AMI industry. Security measures include time slots, channel monitors, time stamp, data package repetitions and much more.

Key Benefits

- Real-time notifications for tamper, reverse flow, critical flow, and leaks
- Leaks in distribution mains
- Tracks water ban
- Unaccounted for water
- Production vs. consumption
- Synchronized reads
- Reduced water theft
- Low infrastructure = Low initial investment = Less maintenance
- Replacable battery pack on Wall-Mount units
- Long range



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