

FEATURES & BENEFITS



ORION® - A Flexible RF System for Water & Gas Utilities

FEATURES

Developed as a premier drive-by system with migration to fixed networks solution

Exempt from FCC licensing under Part 15

Uses one-way RF bubble-up (broadcast) technology operating in the 902-928 MHz frequency band at 916.45 MHz

Fast and easy to install and maintain

Compatibility

Migration to multiple fixed network systems including Power Line Carrier, Broadband Over Power Line, Mesh Network, Wi-Fi, and other fixed network systems.

Pre-wiring standard

Long-life battery

BENEFITS

- Low-cost, fast and efficient data collection
- Data can be collected at vehicle speeds of up to 50 miles per hour
- Significant reduction in manpower and hours required for meter reading
- Unread & potential leak meters are displayed
- Provides easy migration path to emerging fixed network technology solutions

- Eliminates customer need of FCC license for RF transmission
- Allows for fast and easy installation of system
- Project can be initiated within weeks of order placement

- Insures accurate data collection
- Allows migration to emerging fixed network technology solutions without the need to re-program or modify the ORION transmitter

- Technical expertise is not required
- System maintenance costs are virtually eliminated
- Transmitters are shipped programmed from the factory with an automatic start up feature, minimizing installation time

- Designed for use with Badger's family of encoder registers - RTR® and ADE®
- Eliminates the need to change Badger® meters to implement an AMR system
- Interfaces available to other encoders

- Seamless migration from mobile to fixed network system using the same transmitters - NO STRANDED ASSETS
- Protects investment in AMR and ensures future system compatibility
- AMR technology that meets the current and future needs of utilities

- No wires to attach due to prewiring of encoder

- ORION Transmitters, batteries and Badger Meter Encoder Registers are covered by a 20-year prorated warranty
- No need for battery changeout, resulting in lower cost of ownership
- Extended years of reliable service life



technology delivered.
www.badgermeter.com

FEATURES

BENEFITS

Enhanced customer and employee safety

- No entry to customer's premises is required

Cut Cable tamper detection

- Identification and alarm for tamper condition
- Reports tamper when cable is cut

Optional leak detection

- Identification and alarm for leak condition
- Prevents damage or reduces major repair costs of customer damage due to leak
- Reports leak condition when no two-hour window of no usage is found within a 24-hour time period
- System automatically resets when the next two-hour window of no usage is found

Optional Data Profile Feature

- Provides utilities with 21,000 consumption data points with leak detection and tamper alarms for analysis
- Maximizes AMR system performance by providing more than just a billing reading
- Flexible design allows for Data Profile Feature to be built within the transmitter itself or through a Remote Data Profiler device
- Easy to use graphing software allows utility personnel to spot leaks, determine tampers and capture additional reading data to improve customer service and utility operations

ORION® Water Meter Monitor

- Provides additional customer service tool to identify leaks and monitor water usage
- Assists with utility conservation efforts

ORION Repeater

- Increases system flexibility for fixed network and hard to read applications
- Maximizes ORION performance

ORION Multi-Lingual Reading System

- GPS Mapping based reading system provides utilities with the ability to be able to capture RF readings from ORION, RAMAR® and Datamatic
- Protects utilities initial investment in AMR during the transition to ORION