Pit Water Module

Landis+Gyr's two-way RF enabled Pit Water Module delivers advanced water AMI communications and enhanced smart water capabilities. Leveraging the connectivity of the Gridstream® Connect platform, the device enables near real-time access to critical water assets.

The Pit Module is designed for installation through the lid of an external water meter pit, where the meter, register, and module are all located together.

Compatible with almost all water meters, the module connects to a water meter's existing three-wire encoder. The module reads and stores the encoder's water consumption value, transmitting data across the network for more accurate readings, improved customer service, and operational efficiencies.

With no field programming or special tools, the module provides expedited delivery of the full benefits of the Gridstream Connect platform and a cost-effective life expansion for existing water meters.

FEATURES AND BENEFITS:

- Reduced cost of ownership, optimized and flexible billing, improved customer service
- 250mW to 500mW auto-adaptive power output capability
- Utilizes edge intelligence for improved operations
- Easily connects to existing encoder without service interruption
- Adds smart water functionality without meter replacement
- Over-the-air firmware updates for future advancements in water measurement
- Supports advanced capabilities such as:
    - Leak detection
    - Reverse flow
    - Low battery
    - Cut wire
    - Theft

Landis+Gyr

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Product Specifications

Parameter	Details
Dimensions	5.11" high x 3.98" top and 1.17" bottom x 0.492" top depth
Power Supply	One 3.6-Volt C Lithium Battery with advanced power life management design.
Environmental Temperature Rating	-22° F to 131° F (-30° C to 55° C)
Ingress Protection Rating	IP68
RF Standards and Power	FCC Part 15.247. Frequency: 902 – 928 MHz unlicensed operation. 250mW to 500mW auto-adaptive power output capability.
Data Transmission	Flexible Network Transmission: 4x daily default options of 1, 2, 4, 6, 8,12 or 24 hour transmissions. Each transmission includes the register read and last 24 hours of 15-minute interval length (user configurable 15, 30, or 60 minutes).
Possible Tamper Indications from within Command Center	Modules that have reported no usage for several days. Modules that have stopped communicating. Modules that are communicating but have never reported usage.
Encoder Compatibility	Master Meter Acculinx, Elinx, Octave, Sonata; Badger ADE, HR LCD; Sensus ECR II, ICE, iPearl, Electronic Register, OMNI; Neptune Mach10, ProRead, E-Coder, ProCoder; Hersey/Mueller Translator; Elster/AMCO Invision
Revenue Impact Alerts	Active alerts guard against leaks, theft, tamper, and flow anomalies (stuck meter, zero flow, etc.).
Read Data	45 days of 15-minute; 90 days of 30-minute; 180 days of 60-minute Full Register Read data.
Protocol Support	RF Mesh, RF Mesh IP