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.
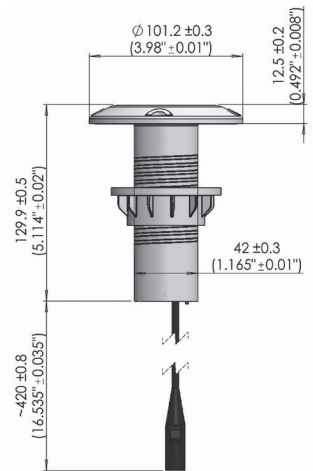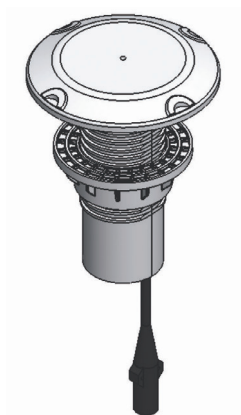
Features and Benefits

- 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

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Product Specifications

Dimensions	5.11" height 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 configurable15, 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™, Sonata, Octave™ • Neptune ARB V®, ProRead™, AutoDetect, ECoder®, ProCoder™, Mach 10® • Sensus ECR, ICE, Omni, iPerl • Elster/Amco InVision with Sensus Protocol • Itron Black Cable, Gray Cable • Badger HR-E, HR-E LCD, ADE • Mueller Translator®
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, Mesh IP

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Let's build a brighter future together.

Landis+Gyr is a leading global provider of integrated energy management solutions. We measure and analyze energy utilization to generate empowering analytics for smart grid and infrastructure management, enabling utilities and consumers to reduce energy consumption. Our innovative and proven portfolio of software, services and intelligent sensor technology is a key driver to decarbonize the grid. Having enabled 9 million tons of CO_2 savings in FY 2024 through our product offerings, Landis+Gyr manages energy better – since 1896. With sales of USD 1.7 billion in FY 2024, Landis+Gyr employs around 6,300 talented people across five continents. For more information, please visit our website www.landisgyr.com.

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