Overview

The Gridstream® Pulse Recorder (GPR) C&I Gas Communications Module provides two-way communications over Landis+Gyr’s scalable, secure and interoperable Gridstream RF Mesh network. The gas module records and communicates up to two channels of interval data (configurable for 15 and 60 minutes). The module works with most devices within the Gridstream wireless mesh network – including electric meters, routers or radios on distribution automation devices – to send and receive information.

GPR gas modules can be field retrofitted to the majority of rotary and turbine meters and correctors.

Operating within the Gridstream network, the two-way module uses the unlicensed FCC part 15 902-928 MHz band to transmit using frequency hopping, spread spectrum technology. To efficiently manage energy consumption, the module is programmed to periodically report customer usage profiles and accept system configuration changes.

With a 20-year battery life, the GPR gas module ensures years of customer service.

Fast, Easy Installation and Operation
- Auto-Registration
- No Field Programming or special field tools required
- LED verifies communication
- Over-the-Air Firmware Upgrade
- On-Request Reads
- Flexible Mounting Bracket

FEATURES & BENEFITS:
Why Landis+Gyr makes a difference.
- Leverages full potential and scalability of Gridstream AMI network
- Intelligent module stores and transmits up to two channels of interval data
- Performs self-diagnostics
- Enhanced range (250 mW output)
- Interval data facilitates flexible rates and allows for more efficient capacity utilization and planning
- Supports most rotary and turbine meters and correctors
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Power Supply</td>
<td>Four “A” lithium manganese dioxide batteries&lt;br&gt; 20-year battery life</td>
</tr>
<tr>
<td>Modulation Type</td>
<td>FSK modulation</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40ºC to +85ºC</td>
</tr>
<tr>
<td>Environmental</td>
<td>Relative humidity 0% to 100%</td>
</tr>
<tr>
<td>RF Standards</td>
<td>FCC Part 15.247&lt;br&gt; Frequency: 902-928 MHz&lt;br&gt; Baud Rate: 9600 to 38400 BPS</td>
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<tr>
<td>UL</td>
<td>UL – Class 1, Division 1, Group D</td>
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<tr>
<td>Events Included</td>
<td>Tilt switch&lt;br&gt; Sensor failure&lt;br&gt; Low battery&lt;br&gt; Stale register&lt;br&gt; Extreme temperature change&lt;br&gt; Configuration change&lt;br&gt; Cut lead detect</td>
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**Diagram of Gridstream GPR C&I Gas Module**

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