



M225 RF Commercial & Industrial Gas Communications

Two-way C&I gas metering for utility efficiency

The M225 C&I Gas Communications Module provides a two-way AMI communications retrofit solution for large diaphragm gas meters over Landis+Gyr's scalable, secure, and interoperable Gridstream® Connect network.

The next generation solution in the widely deployed M220 product line, the M225 gas module automatically self-registers on the Gridstream Connect network upon installation, simplifying deployment by eliminating the need for field installation, configuration, and specialized tools. The module is designed to record and communicate both total consumption and two channels of interval data (configurable to intervals of 5, 15, 30 and 60 minutes), and

can be configured to record and transmit data at different frequencies. This data equips utilities to develop flexible rate offerings and assists with capacity planning.

The M225 can read a wide range of makes and models of large diaphragm meters, and mounts on almost any large diaphragm gas meter built since the 1950's. The module leverages AMI connectivity through other Landis+Gyr products, such as electric meters, routers, street light controllers, or radios on distribution automation devices. This flexibility is key for maximizing the benefits of Gridstream Connect, enabling utilities to effectively manage multiple types of endpoints on a single network.

Features

- Leverages full potential and scalability of Gridstream Connect AMI network
- Patented latch counting method using a Hall Effect sensor to deliver unmatched accuracy
- Supports Landis+Gyr RF Mesh, Mesh IP, and Wi-SUN networks
- Configurable interval lengths: 5, 15, 30 and 60 minutes
- Advanced security encryption

- No field programming or special field tools required
- Performs self-diagnostics for network connectivity and firmware rollbacks
- Variety of configurable alert settings to inform of module issues such as low battery, magnetic tamper detection, tilt, stale register, extreme temperature conditions, index cover removal, cut cable detection, etc.

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Product Specifications

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| Battery Life | 20-year battery life with a field-replaceable battery pack |
| Environmental Temperature Rating | -40°C to +85°C |
| Environmental Relative Humidity | 0% to 95% |
| Radio Compliances | FCC Part 15.247 |
| Frequency Range | Radio Bandwidth 902 Mhz to 928 Mhz |
| ANSI Standards | B109.2 Compliant |
| Intrinsic Safety | Class I Div 1 Group D |
| Configurable Data Transmission Options | Once every 1h, 2h, 4h, 8h, 12h or 24 hours |
| Sensor Interface Telemetry | 2 Counting Channels + 1 Alarm Channel |
| Counting Telemetry Type | Form A or Form C |
| Alarm Telemetry Type | Form A or Form B |
| Output Power | Normal operation at 24 dBm with auto switch to 27 dBm as needed |
| Compatibility | |
| Gas Meter Pulser available for large diaphragm index meters from Elster, Itron, Sensus, and Schlumberger. | |
| Pulse input cables available to use with pulse output devices from Dresser, Romet, Eagle, Mercury, and Honeywell. | |

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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 CO₂ 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.