



PressioLync®

Remote Pressure Monitor

PressioLync® is a purpose-built remote monitoring and data management platform that combines rapid deployment, enterprise integration, and operational intelligence to help gas utilities build safer, more resilient distribution networks.

Features

- Continuous remote monitoring of pressure, temperature, and calculated flow rate
- IoT advanced communications via BrightLync®
 - 100% cloud native
 - Two-way serial communication with OTA updates
 - Near real-time alarm transmission
 - Automatic daily data transfer
- Integrated with EnergyArray® Device Manager and API compatible with various operational systems
 - Automated logs, event histories, audit ready records, and advanced analytics
- Industry-leading security with end-to-end encrypted hardware, transmission, and storage

Applications

- Distribution End Points
- Distribution Regulator Stations
- Farm Taps, Mains & Services
- Mid Stream Transmission Stations

Purpose-Built for Natural Gas Utilities

Designed with input from natural gas utilities, PressioLync® is purpose-built to meet the specific needs of the natural gas industry – not adapted to fit it. PressioLync® helps utilities address modern challenges, ensuring the metrics that matter most are monitored and actionable insights are uncovered, at a fraction of the cost of SCADA systems.

Modernization with Minimal Investment

PressioLync® is a versatile, right-sized solution for pressure monitoring locations where SCADA is not necessary. It provides full scalability with simplified deployment:

- No power requirement – advanced low power design provides best-in-class battery performance
- No network infrastructure requirement - cellular IoT
- Ready-to-use and easy to install - commissioning in less than 5 minutes and portal visibility before leaving the site
- Maintenance-free operation

Operational Intelligence that Goes Beyond Simple Telemetry

Integrated EnergyArray® data analytics platform provides near real-time visibility with utility-centric dashboards, metrics, reports, and analytics that support modern challenges:

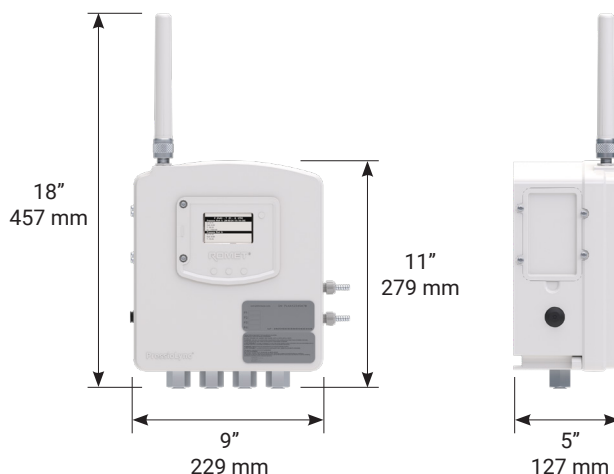
- Enhanced safety and reliability performance through continuous monitoring of pressure, temperature and flow. Pressure limit violations trigger *active alarm mode* where pressure readings are collected and transmitted to the portal every minute
- Reduced emissions and minimized truck rolls
- Simplified reporting through streamlined customizable and automated report generation

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Specifications

- Pressure
 - 4 Pressure sensors (2 input, 2 output)
 - Pressure monitoring up to 1500 psig
- Temperature
 - 2 Temperature sensors
 - Temperature accuracy from -22F to +160F (-30C to +70C)
- Flow Rate
 - 2 Calculated flow rates (*not intended for custody transfer*)
- Data Logging & Storage
 - 7 days of backup storage
 - 5, 10, or 15-minute data sampling intervals
 - Data transmission to portal frequency configurable from hourly to daily, or fully customized by time of day
- Alarms
 - Temperature and pressure limit violation alarms
 - Pressure limit violations trigger *active alarm mode* where pressure readings are collected and transmitted to the portal every minute
 - Sensor communication alarms
- Communications
 - Integrated BrightLync® communications
 - Secure, low power cellular connectivity
 - Intelligent local polling to maximize battery life
 - Remote configuration and firmware updates
 - Secure data transmission meeting ISA-Secure, ICS/OT, and DHS cybersecurity Standards.
- Data Security
 - Aligned to IEC 62443 for operational technology (OT) security
 - Reviewed against the OWASP IoT Top 10
 - Information-security management aligned to ISO 27001
- Seamless integration with EnergyArray® Device Manager
 - Dashboards, reports, and analytics



- Physical
 - Weather resistant, UV resistant, ESD grade engineered polycarbonate enclosure
 - Multiple pipe and wall mounting configurations
 - Dimensions: 18" (457mm) x 9" (229mm) x 5" (127mm)
 - Weight: 8 lbs (3.6 kg)
- Battery & Power
 - 5-year nominal battery life (replaceable)
 - End of battery life warning
- User Interface
 - LCD Screen
 - Tap and hold magnetic navigation
 - iOS/Android mobile app for configuration

Approvals / Certifications

- Intrinsically safe: Class I, Zone 0, Class I, Div 1 Group D (cETLus)
- Industry Canada ICES-003 Class B
- FCC Part 15 Class B
- PTCRB

ROMET®

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