



Pressure Meters

Wireless Pressure Meters

Always know supply line pressure.

Alegna's battery-powered Wireless Pressure Meters monitor gas, liquid, or vapor supply lines. If the pressure within a line, machine, pump, or specialized area (e.g., negative pressure tent or cleanroom) falls out of a user-defined range, users are alerted via text, email, or call.

Available in 50, 300, 750, and 3000 pounds per square in gauge (PSIG) meters, these sensors use a five-volt pressure transducer to measure the pressure within a supply line. Collected data is transmitted to AlegnaSense™ Sensor Configuration Management Software for analysis and action.

Work-Site Ready

These wireless pressure meters are available in industrial-grade and AA battery-powered enterprise-ready sensors.

AA-battery meter options: an on/off switch and a line-powered device with battery backup
Added industrial options: intrinsically safe, IECEx-certified Alegna™ IS1X 300 PSIG and high-gain leaded puck antenna

Explore the wireless pressure meters counted on by utilities, hospitals, factories, refineries, manufacturers, universities, and agricultural firms worldwide.

Applications

- Compressed Air Supply Lines
- Water Supply Lines
- Gas Supply Lines
- Pumping Systems
- Irrigation System Pressure
- Industrial Process Monitoring
- Trash Compaction Equipment

Smart Sensor Features & Benefits

Features

- 1200+ ft. Range
- Up to 12 Years of Battery Life
- Automated Data Logging

Benefits

- Unbeatable Range Eases Networking
- Dependable, Worry-free Operation
- Streamlined Compliance & Data Analysis

NOTE: SEE MORE SMART SENSORS BELOW.

50 PSIG Wireless Pressure Meters

A Lab- and Machine-Ready Sensor

24/7 Connectivity & Simplicity

Via the AlegnaSense™ Smart Sensor Configuration and Management Software allows remotely checking on the pressure within vital equipment and ensure the continuity of crucial processes.

Available as an enterprise-ready sensor or an industrial-grade model, each installs within 15 minutes. These sensors offer an industry-leading wireless range of 2,000+ feet (non-line-of-sight) through 18 walls when connected to an Alegna's X1L Gateway and provide worry-free operation thanks to a battery life of up to five years.

Knowing beats stressing and guessing—find the perfect pressure meter below to remotely monitor your operations.

Applications

- Compressed Air Supply Lines
- Water Supply Lines
- Gas Supply Lines
- Pumping Systems
- Irrigation System Pressure
- Industrial Process Monitoring
- Trash Compaction Equipment

Choose the Right Smart Sensor for You!

Enterprise AA-battery powered: Our most popular type is ideal for typical commercial and enterprise environments, such as server rooms. A 2,000+ ft. through 18+ walls wireless range when connected to an Alegna™ X1L Gateway readily covers most facilities.

Industrial: Sensor's weatherproof, NEMA-rated enclosure withstands demanding indoor/outdoor use, e.g., warehouses and production facilities.

Smart Sensor Features & Benefits

Features

- 2,000+ ft. Range through 18+ Walls
- Up to 12 Years of Battery Life
- Automated Data Logging

Benefits

- Unbeatable Range Eases Networking
- Dependable, Worry-free Operation
- Streamlined Compliance & Data Analysis

NOTE: SEE MORE SMART SENSORS BELOW.

300 PSIG Wireless Pressure Meters

Know When the Pressure's On.

Indispensable to facility managers, fabricators, pipeline managers, and legacy machine operators, Alegna's Wireless 300 PSIG Pressure Meter remotely monitors line pressure (gas, liquid, or vapors) up to 300 pounds per square in gauge (PSIG). If the pressure exceeds your preset limits, you receive an email, call, or text alert.

You can install the meter within 15 minutes, making it ideal for compressors/compressor lines, gas lines, irrigation systems, trash compaction equipment, HVAC systems, and more. Collected data can be readily shared for process optimization or preventive maintenance initiatives.

An Array of Choices

The AA battery-powered enterprise sensor offers an optional on/off switch or line powered (with an on/off switch). Industrial sensor options include a high-gain leaded puck antenna or solar power. The intrinsically safe Alegna IS1X 300 PSIG Pressure Meter is IECEx-certified and ideal for hazardous industrial areas with potentially explosive atmospheres.

Add one of Alegna's wireless 300 PSIG Pressure Meters below to gain additional insight into your operations and prevent failure or loss.

Applications

- Compressed Air Supply Lines
- Water Supply Lines
- Gas Supply Lines
- Pumping Systems
- Irrigation System Pressure
- Industrial Process Monitoring
- Trash Compaction Equipment

Smart Sensor Features & Benefits

Features

- 2,000+ ft. Range through 18+ Walls
- Up to Five Years of Battery Life
- Automated Data Logging

Benefits

- Unbeatable Range Eases Networking
- Dependable, Worry-free Operation
- Streamlined Compliance & Data Analysis

NOTE: SEE MORE SMART SENSORS BELOW.

750 PSIG Wireless Pressure Meters

Maintain Proper Line Pressure for Equipment and Across Facilities.

Improper or a lack of inspection and testing of gas, liquid, and vapor line pressure can create dangerous conditions with the risk of leaks, fire, or explosion. Field service technicians depend on the right tools to monitor and keep lines flowing at optimal levels for HVAC, fuel, water, and more systems. That's why we've added the industrial-grade Alegna™ 750 PSIG Wireless Pressure Meter to our pressure meter lineup.

The Alegna™ 750 PSIG Wireless Pressure Meter measures gas, liquid, and vapor supply pipelines up to 750 pounds per square in gauge (PSIG). Alegna's Wireless Sensors and Meters sends alerts on your mobile device via text, email, or call when line pressure moves away from your preset parameters. The meter's actionable data is key to refining processes, preventing problems, and predicting maintenance.

Easily Handle the Pressure

Deploy the fully enclosed, weatherproof pressure meter in virtually any industrial use case to remotely monitor line pressure for utilities, refineries, labs, machine shops, manufacturing facilities, irrigation, HVAC systems, and more.

Key features of Alegna's 750 PSIG Wireless Pressure Meter:

- Monitors pressure using a 5-volt transducer and transmits readings or assessments to the AlegnaSense™ Management Software Platform
- The cloud-based or private desktop software— AlegnaSense™—stores the meter's trend and alert data so you can review it on a dashboard, export it, and integrate it into other data management systems.
- Alegna's meter offers wireless long-range data transmission of more than 1,200 feet through 12+ walls non-line-of-sight.
- Alegna's products also use Encrypt-RF™ bank-level security, featuring 256-bit key exchange and Advanced Encryption Standard (AES)-128 CTR for all data messages.

Applications

- Compressed Air Supply Lines
- Water Supply Lines
- Gas Supply Lines
- Pumping Systems

- Irrigation System Pressure
- Industrial Process Monitoring
- Trash Compaction Equipment

Choose the Right Smart Sensor for You!

Enterprise AA-battery powered: Our most popular type is ideal for typical commercial & enterprise environments, such as server rooms. A 1,200+ ft. range readily covers most facilities.

Industrial: The meter is weatherproof in a NEMA-rated enclosure that withstands demanding indoor/outdoor use, e.g., warehouses and production facilities.

Alegna's IS1X: Approved for industrial applications or use cases in potentially hazardous areas with explosive atmospheres. Call Alegna at (770) 855-3328 for further information.

Smart Sensor Features & Benefits

Features

- 1200+ ft. Range
- Up to 12 Years of Battery Life
- Automated Data Logging

Benefits

- Unbeatable Range Eases Networking
- Dependable, Worry-free Operation
- Streamlined Compliance & Data Analysis

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3000 PSIG Wireless Pressure Meters

Keep Demanding Pressure Applications Running Well.

Name nearly any industry application where monitoring high line pressure is imperative, and Alegna's 3000 PSIG Wireless Pressure Meter can handle it. It's ideal for a wide variety of applications and offers best-in-class performance to ensure gas, liquid, and vapor pipelines are safe and efficient. Install the high-pressure meter on a line and remotely monitor and test the system's flow.

Prevent unsafe conditions and detect problems like possible leaks early before they escalate. The meter will prompt an alert via text, email, or voice message on your mobile device when your preset thresholds in our cloud-based monitoring software—AlegnaSense™—are breached.

Built for High-Pressure Situations

- Monitors pressure using a 5-volt transducer and transmits readings or assessments to the AlegnaSense™ Sensor Data Management and Notification Software Platform.
- The cloud-based or private desktop software—AlegnaSense™—stores the meter's trend and alert data so you can review it on a dashboard, export it, and integrate it into other data management systems.
- Like other Alegna™ products, the meter offers wireless long-range data transmission of more than 1,200 feet through 12+ walls non-line-of-sight.
- Alegna products also use Alegna's Encrypt-RF™ bank-level security, featuring 256-bit key exchange and Advanced Encryption Standard (AES)-128 CTR for all data messages.

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Call us today at (770) 855-3328 for more information. Alegna's Team Is At Your Service!