



Interface Meters & Smart Sensors

Wireless Interface Meters & Sensors

Dive Deeper into Operations with Turnkey Sensors

Alegna's interface meters and its selection of wireless and Power over Ethernet dry contact sensors uncover insights about the power status of small devices or the usage of mechanical systems and barriers. You set what thresholds the sensor should observe; if something goes wrong, an alert is sent by email, text, or call.

How does a wireless sensor improve operations?

These sensors integrate with barriers (e.g., doors or turnstiles), production lines, and industrial and scientific devices to collect data, including device voltage, actuations, revolutions, or open/close counts. Sensor data paints a picture of device/system performance or facility usage.

Alegna's smart sensors can be installed and configured within 15 minutes. For flexibility, three sizes with three battery types are offered.

Explore Alegna's interface and dry contact sensors below to improve processes and better understand operations.

Applications

- Battery Health Monitoring
- Actuation Counting
- Tamper Switches
- Forklift Seat Switches
- Machinery Monitoring
- Blower Motor Monitoring
- Pressure Sensor Integration

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.

Wireless Dry Contact Sensors

Lose contact? Know instantly.

Alegna's Wireless Dry Contact Sensors detect if contact is made or broken between two wired points.

This sensor remotely monitors production line operation, tracks when a forklift's seat is occupied, or alerts you if a gate was left open. Power over Ethernet, intrinsically safe IECEx-certified, and wireless sensor types support small business, enterprise, and industrial firms.

How Dry Contact Sensors Work

Within 15 minutes, the sensor can be mounted and wired to two endpoints (such as existing switches or contact plates). Be alerted via email, text, or call if a contact is broken (indicating that the points are no longer touching) or if the two points make contact when they shouldn't be.

Retrofit one of the sensors below and bring new life (and intelligence) to equipment. Start remotely monitoring product volume, mechanical actuation, equipment use, and physical access security today. For example, you can use the sensor to monitor a line valve opening or closing, a backup generator powering up, and a fluctuating propane tank level.

WARNING: Use caution when interfacing with Alegna's Dry Contact Sensors. **Any external AC or DC Voltages WILL DAMAGE** the electronics of the wireless sensor. Alegna™ is not responsible for troubleshooting, replacing, or reimbursing damages incurred by disregarding this warning.

Applications

- Tamper Switches
- Door Access Monitoring
- Freezer / Cooler Door Access
- Convenience Store Cooler Doors
- Forklift Seat Switches
- Actuation Counting

Choose the Right Sensor for You!

- **Enterprise AA-battery powered:** Our most popular type is ideal for typical commercial and enterprise environments, such as server rooms. A 1,200+ ft. range readily covers most facilities.
- **CC-Battery Powered:** The compact sensor is great for space-restricted areas such as control cabinets or cold storage.
- **Industrial:** The sensor's weatherproof, NEMA-rated enclosure withstands demanding indoor/outdoor use, e.g., warehouses and production facilities.

- **Alegna-IS1X**: Approved for industrial applications or use cases in potentially hazardous areas with explosive atmospheres.
- **PoE•X**: Power over Ethernet sensors integrate with a building's PoE network; it can also be used with a standard Ethernet infrastructure and powered via an optional AC adapter.
- **MoWi WiFi**: This discreet sensor uses your Wi-Fi for networking and data transmission—popular for smaller businesses and facilities.

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.

0-5 VDC Wireless Interface Volt Meter

Voltage monitoring made easy

- This sensor allows you to remotely monitor potential differences (voltage) between two electrical points. If voltage deviates from your pre-set limits, you're alerted by email, text, or call.
- Within 15 minutes, Alegna's wireless volt sensors install to the power and ground of a source up to 5 VDC. This simplicity makes it ideal for capturing energy status data from common industrial sensors, batteries, and other low-powered machinery.

A variety of sensors for diverse equipment

These mount-and-monitor sensors are available in an ultra-compact CC battery-powered unit, a conventional AA battery-powered device, and a weatherproof industrial-grade model. Depending on the type selected, options such as solar power can further customize these US-made sensors to your exact needs.

Select one of Alegna's Wireless Volt Meters below to always be in the loop on device power status.

WARNING: Use caution when interfacing to Alegna Wireless Voltage Meter. **Negative voltages, AC Voltages, or DC Voltage exceeding 10V. WILL DAMAGE** the electronics of Alegna's Wireless Sensor. Alegna™ is not responsible for troubleshooting, replacing or reimbursing damages incurred by disregarding this warning.

Applications

- Battery Health
- Voltage Measurement
- Transducer Measurement
- Machinery Monitoring
- Electrical Motors
- Blower Motors

Choose a Smart Sensor Right 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.

CC-battery powered: Compact sensor is great for space-restricted areas such as control cabinets or cold storage.

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

Smart Sensor Feature & 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.

0-10 VDC Wireless Interface Volt Meter

The Power of Knowing

Adding one of Alegna's Wireless Volt Meters to common industrial sensors uncovers power data that shapes operations—and the bottom line—by helping you ensure uptime.

Within 15 minutes, these sensors can be deployed and monitoring batteries, lower-powered machinery, and small electric motors with an accuracy to $\pm 3.0\%$ full scale of the voltage range. If voltage deviates from user-set parameters, an alert is issued via text, email, or call. Designated personnel can step in and ensure continued processes or performance.

Spec the right-sized meter

These US-made voltage sensors are available in compact, enterprise-ready, and industrial-grade models. Options include solar power or on/off switches (based on model); if you have highly specialized machinery, consult Alegna™ for custom sensor creation.

Ensure vital equipment is sufficiently energized and stay ahead of potential faults with one of the turnkey volt meters below.

WARNING: Use caution when interfacing to the Alegna™ Wireless Voltage Meter. **Negative voltages, AC Voltages, or DC Voltage exceeding 20V WILL DAMAGE** the electronics of Alegna's Wireless Sensor. Alegna™ is not responsible for troubleshooting, replacing or reimbursing damages incurred by disregarding this warning.

Applications

- Battery Health
- Voltage Measurement
- Transducer Measurement
- Machinery Monitoring
- Electrical Motors
- Blower Motors

Choose a Smart Sensor Right 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.

CC-battery powered: Compact sensor is great for space-restricted areas such as control cabinets or cold storage.

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

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 AIR QUALITY SMART SENSORS BELOW:

0-20 mA Wireless Current Meter

Easily Monitor Industrial & Scientific Devices

0-20 mA Wireless Current Meter Easily monitor industrial & scientific devices:

Alegna's Wireless 0–20 mA Current Meters are staples in R&D departments, academic labs, healthcare settings, and other areas that rely on industrial and/or scientific sensors.

Users routinely interface Alegna's Wireless Current Meters with pH sensors, magnetic flow meters, dissolved oxygen or pressure sensors, velocity or acceleration sensors, industrial vibration sensors, and industrial accelerometers. If the current deviates from user-set limits, Alegna's sensor instantly alerts designated personnel via email, call, or text.

A Smart Sensor for Any Installation

To support application depth and breadth, Alegna™ offers these current meters in a compact CC battery-powered model, enterprise-grade AA battery-powered sensor, and a rugged industrial-grade unit. Options (based on model) for these US-made sensors include solar power and on/off switches.

Stay on top of device performance to protect vital research and processes with one of the current meters below.

WARNING: Use caution when interfacing to the Alegna™ 0-20mA Current meter. Negative voltages, AC Voltages, or DC Voltage exceeding 3.6V **CAN DAMAGE** the electronics of the wireless sensor. Alegna™ is not responsible for troubleshooting, replacing or reimbursing damages incurred by disregarding this warning.

Wireless 0–20 mA Current Meters are staples in R&D departments, academic labs, healthcare settings, and other areas that rely on industrial and/or scientific sensors.

Applications

- Current Transducer Monitoring
- PH Sensor Integration
- Dissolved Oxygen Sensor Integration
- Pressure Sensor Integration
- Flow Sensor Integration
- Machinery Monitoring

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.

CC-battery powered: Compact sensor is great for space-restricted areas such as control cabinets or cold storage.

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

Smart Sensor

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

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