



Ultrasonic Ranging Sensor

Wireless Ultrasonic Ranging Smart Sensors

Level, Distance & Object Detection Made Easy

Alegna's Wireless Ultrasonic Sensors install within 15 minutes to measure liquid levels, track inventory status (based on distance), and detect traffic. Should the status for any of these variables deviate from user-defined limits, a sensor alert is sent via text, email, or call.

Alegna™ Keeps You Informed with Industrial-Grade and Enterprise-Ready Smart Sensors.

Ultrasonic sensors use the speed of sound to determine the distance between themselves and an object. A high-frequency pulse is sent; the time it takes to receive an echo back is recorded, and the time difference determines distance (or tank level or an object's presence). The sensors are impervious to target surface and color and compensate for temperature and humidity.

Track trucks, be alerted of falling/rising levels, and so much more by integrating one of the sensors below into your operations.

Applications

- Liquid Level Detection
- Measure Distance Between Sensor and Objects
- Inventory Status
- Loading Bay Occupied Status

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

Commercial Wireless Ultrasonic Ranging Sensor

Prevent Costly Downtime or Waiting

Ultracompact with outsized benefits, Alegna's Wireless Ultrasonic Ranging Sensor can prevent costly production downtime by tracking ingredient levels or detecting trucks waiting at loading docks.

How Does It Work?

This enterprise-grade sensor emits a high-frequency pulse and measures its return time to determine distance. Impervious to color or target surface, the sensor compensates for temperature and humidity to provide accurate level measurement or object detection. If a tank's level deviates from user-determined thresholds or an object's detected (e.g., a truck), an alert is issued via text, email, or call.

The AA battery-powered sensor deploys within 15 minutes—there is no wiring to a separate power source. Sensor options include an on/off switch or line power with AA battery backup (and on/off switch).

Learn more below about the sensor that gives you an additional measure of control to maintain operational efficiency and productivity.

Applications

- Liquid Level Detection
- Measure Distance Between Sensor and Objects
- Inventory Status
- Loading Bay Occupied Status

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

Smart Sensor Features& Benefits

Features

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

Benefits

- Unbeatable Range Eases Networking
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NOTE: SEE MORE SMART SENSORS BELOW.

Industrial Wireless Ultrasonic Ranging Sensors

Weatherproof Level Measurement & Object Detection

Packaged in a weatherproof housing, Alegna's Industrial Ultrasonic Ranging Smart Sensor measures levels or detects objects. Indoor and outdoor applications include vehicle/object detection, capturing liquid levels, and tracking inventory. If a monitored variable varies from your preset limits, the sensor issues an alert via text, email, or call.

Level Detection Made Easy

As a battery-powered sensor, the device installs within 15 minutes because there's no wiring to an additional power source. This modularity is ideal for silos, tanks, loading docks, and other difficult-to-network applications. The sensor can be tailored to your operations with options including ultrasonic port placement within the housing or a 3' lead.

Incorporate this Industrial Ranging Sensor into your operations to keep ingredients and logistics flowing smoothly. View the sensor's specs below.

Applications

- Liquid Level Detection
- Measure Distance Between Sensor and Objects
- Inventory Status
- Loading Bay Occupied Status

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. wireless range through 18+ walls 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. Wireless 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!