



## Wireless Current Meters

### ***Wireless AC Current Meters***

#### **Remotely monitor energy use with plug-n-play smart sensors**

Wireless AC Current Meters install within 15 minutes to provide insights on machine health or system performance via current usage. These sensors track the minimum, maximum, and average RMS current, as well as amp hours. If power consumption spikes or plummets beyond user-defined limits, an alert is sent via text, email, or call. Receive valuable insights on machine health, HVAC performance, supply issues via current usage and use it for submetering data.

#### **Applications**

- Current Monitoring
- Current Usage
- Amperage Monitoring
- Breaker Panel Monitoring
- Conveyor System Motors
- Factory Management
- Amp Hour Meter
- Watt Hour Meter
- Kilowatt Hour Meter

#### **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

# ***Wireless 20 Amp AC Current Meters***

## **Simplicity saves.**

Alegna's Wireless 20 amp AC Current Meters remotely monitor your smallest power consumers. These sensors provide data on energy draw to help you lower costs and improve machine health by identifying and predicting maintenance needs.

## **Get Amperage Alerts**

If power use rises or falls outside of user-set limits, the sensor alerts you via text, email, or call. Like all other Alegna's Wireless AC Current Meters, these 20 Amp sensors can also issue energy status updates.

## **Installation**

Install an Alegna Wireless AC Current Meter within 15 minutes: mount or affix the housing, then Wrap the current transformer around the "hot" wire of a two-wire power system.

## **Applications**

- Current Monitoring
- Current Usage
- Amperage Monitoring
- Breaker Panel Monitoring
- Conveyor System Motors
- Factory Management
- Amp Hour Meter
- Watt Hour Meter
- Kilowatt Hour Meter

## **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.

**NOTE: SEE MORE AIR QUALITY SENSORS BELOW:**

# Wireless 150 Amp AC Current Meter

## Gain the power of insight

A must for the bottom line, Alegna's Wireless 150 Amp AC Current Meters remotely monitor the electricity flowing to a machine or system.

If consumption rises, machinery may be working harder due to overdue maintenance, an ailing component, or looming failure. If it drops, there may be a supply issue. Alegna's 150 Amp AC Current Meters will alert you instantly via email, call, or text.

## Data-Driven Decisions

Alegna's turnkey current meters collect power data and make it easy to share and analyze via the Remote Early Warning AlegnaSense™ Software Management Platform. Monitor amp, hours, max/min/average root mean square (RMS) current; collect data on watt-hour or kilowatt-hour readings. Generate watt-hour or kilowatt-hour readings.

Review Alegna's enterprise-ready and industrial-grade current meters below and find the right sensor to proactively protect productivity, vital systems, and the bottom line.

**WARNING:** This AC current meter is for monitoring AC voltage only. *Do Not Use with DC voltage.*

## Applications

- Current Monitoring
- Current Usage
- Amperage Monitoring
- Breaker Panel Monitoring
- Conveyor System Motors
- Factory Management
- Amp Hour Meter
- Watt Hour Meter
- Kilowatt Hour Meter

## 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 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 AIR QUALITY SENSORS BELOW:**

# ***Wireless 500 Amp AC Current Meter***

## **Get Low-Effort, High-Amperage Current Monitoring.**

Alegna's Wireless 500 Amp AC Current Meters make energy usage data a cornerstone of your cost-saving initiatives.

The turnkey 500 amp sensors remotely monitor high-power, energy-intensive machinery. If energy consumption rises or falls beyond user-set thresholds, these sensors immediately send an alert via text, email, or call. Energy status updates can also be sent to designated facility managers and machine operators.

## **Install Within 15 Minutes**

Current meter deployment is straightforward—mount the meter and wrap the lead around a single wire of the AC system. Within 15 minutes, the sensor can be configured via the AlegnaSense™ Sensor Management Software Platform and recording energy data.

Alegna offers its 500 Amp AC Current Meter in an enterprise-ready model or weatherproof industrial-grade version for older and/or power-hungry systems. Rely on a wireless current meter below to stay updated on crucial machinery and energy-related costs.

**WARNING:** This AC current meter is for monitoring AC voltage only. *Do Not Use with DC voltage.*

## **Applications**

- Current Monitoring
- Current Usage
- Amperage Monitoring
- Breaker Panel Monitoring
- Conveyor System Motors
- Factory Management
- Amp Hour Meter
- Watt Hour Meter
- Kilowatt Hour Meter

## 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 AIR QUALITY SENSORS BELOW:**

# ***Alegna™ 150 Amp Three-Phase Current Meter***

## **Deploy a drop-in machine defense plan.**

Reducing overhead and ensuring uptime shouldn't be an uphill battle—arm your facility with Alegna's Wireless 150 Amp Three-Phase Current Meter. Preempt failure or surprise energy expenses by knowing which machine is suddenly drawing more current or which of your buildings is experiencing power supply issues.

## **Root Mean Square (RMS) Reconnaissance**

Within 15 minutes, you can install Alegna's 150 Amp Three-Phase Current Meter to capture: minimum, maximum, and average RMS current, duty cycle for each phase, and the combined amp hours of all three phases. Watt- or kilowatt-hours can also be generated based on user-specified RMS voltage.

This current meter has three 150 Amp current transformers that wrap around the wires of a 3-phase current system without wiring or a direct power connection.

## **Instant Intel from the Factory, Building, or Field**

If the sensor detects power draws outside of your specified thresholds, you, or designated personnel, are alerted via text, email, or call.

### **With this Alegna™ IoT device, you can:**

- Identify the power-usage patterns of a machine or trends across multiple machines in a manufacturing plant.
- Pinpoint if there's an issue with a particular phase of your facility's power.
- Ensure business continuity by planning for eventual manufacturing equipment burnout or production power supply issues.

## **Applications**

- Current Monitoring
- Current Usage
- Amperage Monitoring
- Breaker Panel Monitoring
- Conveyor System Motors
- Factory Management

## Choose a Smart Three-Phase Meter Right 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.
- **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 and production facilities.
- **PoE•X:** Power over Ethernet sensors integrate with a building's PoE network; it can also be used with a standard Ethernet infrastructure & powered via an optional AC adapter.
- **MoWi:** This discreet sensor uses your own Wi-Fi for networking and data transmission—popular for smaller businesses and facilities.

## Smart Sensor

### 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

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