CARBON MONOXIDE MONITORING SOLUTIONS

Aretas Sensor Networks

HOW IT WORKS

1

MONITOR
Our monitors gather and transmit data to the communication bridge

2

GATHER DATA
Data from the communication bridge is sent securely to your private online data center account

3

ANALYZE & REPORT
Your data is archived, analyzed and reported in many useful ways

4

24/7 ACCESS
Decision-making is easy from any computer or smart device

SENSOR OPTIONS

CO2   Carbon Dioxide
O3   Ozone
dB   Noise
DP   Differential Pressure
NO2   Nitrogen Dioxide
PM   Particulate Matter
TRH-F Freezer / Fridge
VOC   Volatile Organic Compounds

More options available

Overview

The Aretas Carbon Monoxide (CO) Monitoring System is an easy to install, wireless system that displays data online and sends customizable alerts via text message or email. Secure cloud based data allows decision-makers and maintenance staff to monitor CO levels from anywhere at anytime.

The CO Monitoring System can detect CO levels between 0- 500ppm. Its functionality can be expanded to include sensors that monitor other gasses, such as CO_2, NO_2, O_3, and VOC. The CO detector comes standard with Temperature and Relative Humidity sensors offering more in depth data as well as ways to potential energy-saving and money-saving opportunities.

Why CO monitoring is a must for commercial spaces

As reported by WorkSafeBC, "Carbon Monoxide gas is one of the most widespread and dangerous industrial hazards. It is the most common cause of occupational gas poisoning leading to death." Aretas' industrial CO monitoring system offers increased functionality over basic monitors, including:

- Real-time remote wireless carbon monoxide monitoring, 24/7, worldwide.
- Customizable alerts via text message and/or email.
- Access live and historical data to track trends and make comparisons (CO data logger).
- Ability to add other monitoring systems and/or additional sensors, as needed.
- Simple, sturdy case designed to last.

Product Specifications

Wireless CO Monitor Specifications
- Range: 0 - 500 ppm
- Resolution: 1 ppm
- Response time: <30 s
- Operating temperature: -20 to +50 °C
- Operating humidity: 15 to 90% RH
- Accuracy: ± 3.1 ppm

Electrical Characteristics
Voltage input:
- 6xAA or 5V USB Mini-B

Connectivity:
- Digimesh + P2P 900MHz/868MHz long range
- Zigbee

Sensor polling rate: 2 min

Features

- Battery-powered option with customizable reporting intervals and low power modes that enable long-term battery-powered operation.
- Wireless communication between one or more monitors and the communication bridge or PC-based data collection.
- 24/7 remote monitoring and threshold-based alerting.
- With the optional Internet-based communication bridge, you can access data online from anywhere in the world.
- Data can be exported to geographic information systems or other custom mapping systems.
- Data can also be exported from our large scale data warehouse, via API, to be analyzed by other programs.
- High resistance to radio frequency and electrostatic field noise.

aretas
monitor . analyze . react . live better