Overview
The Aretas Carbon Dioxide (CO2) 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 CO2 levels from anywhere at anytime.

The CO2 Monitoring System can detect CO2 levels between at 0 - 10,000 ppm. Its functionality can be expanded to include sensors that monitor other gasses, such as CO, NO2, O3, and VOC. The CO2 detector comes standard with Temperature and Relative Humidity sensors offering more in depth data as well potential energy-saving and money-saving opportunities.

Why is carbon dioxide dangerous?
Danger arises when CO2 levels get too high, which can happen during industrial processes (from furnaces, manufacturing activities, wine making, etc.). Because CO2 is colorless, odorless, and already present in the atmosphere, early detection of rising levels is crucial for workplace safety.

• Real-time remote wireless carbon dioxide monitoring, 24/7, worldwide.
• Customizable alerts via text message and/or email.
• Access to live and historical data to track trends and make comparisons (CO2 data logger).
• Ability to add other monitoring systems and/or additional sensors, as needed.
• Simple, sturdy case designed to last.

Product Specifications

Wireless CO2 Monitor Specifications
• Range: 0 - 10,000 ppm
• Resolution: 1 ppm
• Response time: 20s diffusion time
• Operating temperature: 0 to +50 °C
• Operating humidity: 15 to 90% RH
• Accuracy: ± 30 ppm ± 3 % of measured value

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.

Electrical Characteristics
Voltage input:
• 6xAA or 5V USB Mini-B
Connectivity:
• Digimesh + P2P 900MHz/868MHz long range
• Zigbee
Sensor polling rate: 2 min