

NITROGEN DIOXIDE MONITORING SOLUTIONS

Aretas Sensor Networks

HOW IT WORKS



MONITOR

Our monitors gather and transmit data to the communication bridge



GATHER DATA

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



ANALYZE & REPORT

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



24/7 ACCESS

Decision-making is easy from any computer or smart device

SENSOR OPTIONS

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

More options available

Overview

The Aretas Nitrogen Dioxide (NO₂) gas monitor is an easy to install wireless system that displays data online, sends alerts via text or email and much more. The NO₂ monitoring equipment can include other sensors such as CO, CO₂, O₃, and VOC to provide you with accurate information about your indoor environments. Secure cloud based data allows decision-makers and maintenance staff to monitor VOC levels from anywhere at anytime.

The NO₂ 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 monitoring NO₂ important?

Nitrogen Dioxide is a highly reactive oxidant and corrosive. The primary sources indoors are combustion processes, such as unvented combustion appliances, e.g. Diesel engines, gas stoves, vented appliances with defective installations, welding, and tobacco smoke. NO₂ also plays a major role in atmospheric reactions that produce ground-level ozone, a major component of smog.

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

Product Specifications



Wireless N02 Monitor Specifications

- Range: 0 - 20 ppm
- Resolution: 0.1 ppm
- Operating temperature: -20 to +50 °C
- Operating humidity: 15 to 90% RH
- Accuracy: <0.9 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.