TEMPERATURE & RELATIVE HUMIDITY 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
dB	Noise
DP	Differential Pressure
NO2	Nitrogen Dioxide
O3	Ozone
PM	Particulate Matter
TRH-F	Freezer / Fridge
VOC	Volatile Organic Compounds

More options available

Overview

The wireless monitoring system has a measurement range for Temperature (T) of -5°C ~ +50°C and Relative Humidity (RH) of 10% ~ 90%. This easy to install, wireless system displays data online and sends customizable alerts via text message or email. The TRH monitoring equipment can include other sensors such as CO, CO2, NO2, and VOC to provide you with accurate information about your indoor environments. Secure cloud based data allows decision-makers and maintenance staff to monitor TRH levels from anywhere at anytime.

The TRH detector comes standard with most of our monitoring solutins allowing for potential energy-saving and money-saving opportunities.

- Real-time remote wireless monitoring, 24/7, worldwide.
- Customizable alerts via text message and/or email.
- Access to 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

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.

Wireless T Monitor Specifications

- Range: -5 - 50 °C
- Resolution: ±0.025 °C
- Response Time: 5 - 30s
- Accuracy: ±0.5 °C
- Long term stability: ±0.05 °C/yr

Wireless RH Monitor Specifications

- Range: 10 - 90 %RH
- Resolution: 0.04 %RH
- Response Time: 6 - 8 s
- Accuracy: ±4 %RH
- Long term stability: ±1.2 %RH for 5 yrs