



Air Quality Sensor

Monitors indoor air quality. For families focusing on indoor air quality and people with health issues related to air quality.

Today, most people spend about 90% of their time indoors in either the office or the home, making indoor air quality critical for good health. Unlike outdoor air, indoor air is recycled continuously, causing it to trap and increase the concentration of compounds that might affect human health, comfort, and work performance.

With the wireless Air Quality Sensor, you will be able to monitor indoor air quality and ensure that the air is clean and healthy.



Overview

The wireless Air Quality Sensor monitors volatile organic compound (VOC) levels. VOCs are organic chemicals present in indoor air, and some VOCs can cause both short-term and long-term adverse health effects. The battery-driven Air Quality Sensor provides your customers with continuous monitoring of VOCs and information on the VOC levels throughout the day in order to prevent adverse health effects.

The wireless Air Quality Sensor is easy to integrate into IoT solutions. It features long range and accurate reporting of VOC levels, temperature, and humidity.

Key features

- VOC sensor
- Humidity sensor
- Temperature sensor
- Wireless
- Long battery life

Area of use

For families focusing on indoor air quality and people with health issues related to air quality.

Included in the safe4 eco-system.

Technical specifications

General

Dimensions (WxHxD)	70 x 70 x 21 mm
Color	White
Battery	2 x AA, exchangeable
Battery life	2 years, reporting every 5 minutes
Resolution	0.1 Volt
Radio features	Sensitivity: -97 dBm Output Power: up to +7 dBm
Environment	Operation temperature 0 to +50°C IP class: IP20

Functions

Specifications VOC sensor	Range: 0 to 60000 ppb Resolution: 1 - 32 ppb Reporting: configurable
Specifications temperature sensor	Range: 0 to +50°C Resolution: 0.1°C (accuracy typical ±0.2°C) Sample time: 30 s Reporting: configurable
Specifications humidity sensor	Range: 0 to 100% RH Resolution: 1% RH (accuracy typical 2%, 20-80% RH)

Communication

Wireless protocol	Wireless protocol, Zigbee Home, Automation, Zigbee end-device
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Certifications

Conforming to CE, RoHS and REACH directives