

# AIR QUALITY GUARDIAN



**VENTILACIÓN MECÁNICA  
Y CONTROL AMBIENTAL**  
Monitoreo, Ventilación,  
Control de Gases y Polvos

Looking after the air you breathe

by **ANALOX**



The **Air Quality Guardian** is a reliable air quality monitor designed specifically to measure levels of **carbon dioxide (CO2)**, **relative humidity (RH)** and **temperature (temp)** in your building.

The **Air Quality Guardian** helps you **maintain an energy efficient building**. An occupied area with good ventilation will have levels of around 400-800ppm (parts per million) CO2. Anything above this, you know you need to ventilate, anything below this and you may be over-ventilating and wasting energy.

By using the **Air Quality Guardian** as part of your **HVAC system** you can also **ensure the health and well-being of those in the area**. This unit uses a simple traffic light system to let you know at a glance when fresh air is needed. By ventilating, you are helping to **reduce the risk of a virus** such as COVID-19 and the new SARS-CoV-2 variant now known as Omicron from spreading.

## Benefits

- **Energy efficiency**
- **Save time and money** with self-calibration (manual calibration optional)
- Use data logging to **analyze trends** in your building
- **Real time alarms**
- Data provided **lets you know when to ventilate the area**, helping to reduce the spread of airborne viruses such as **COVID-19, flu** and the **common cold**
- **Improved** health benefits
- **Increased** productivity, **reduced** fatigue
- Power failure **battery backup**
- Simple and **intuitive** to use

## Air Quality Measures

- Carbon dioxide
- Temperature
- Humidity

## Features

- Large backlit LCD screen
- **Real time measurements** of CO2, temp and RH levels
- Simple 4 button navigation
- **Ready to use** - straight from the box
- Wall mountable or desktop
- Low drift NDIR (Non dispersive infra-red) CO2 sensor with a **long lifespan**
- Built-in **data logging**
- Simple **three-level indoor air quality indication system** including:
  - **Green** (under 800ppm)
  - **Amber** (800ppm to 1200ppm)
  - **Red** (1200ppm+)
- **Configurable** audible and visual alarms
- **Power** and charge via USB
- 8 hour **battery backup** as standard
- Option to switch to a **plant monitoring mode** (See our manual for the various options and alarm settings)



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## Tech Spec

Carbon dioxide range	0 to 5000 ppm
Carbon dioxide accuracy	(0~3000)ppm: ± 50ppm ± 5% of reading (take the Maximum) (>3000)ppm: ± 7% of reading
Temperature range	0°C to 50°C / 32°F to 122°F
Temperature resolution	0.1°C / 1°F
Temperature accuracy	±1°C
Relative humidity range	5 to 95% (non-condensing)
Relative humidity accuracy	±5%
Warm-up time	<20 seconds
Power	Charged by USB cable Lithium battery backup with only 2.5 hours to full charge and 8 hours operation
Power consumption	160mA Peak, 40mA average at 5.0V
Dimensions	120 x 90 x 35 mm 4.75 x 3.5 x 1.4 in
Weight (Device only)	190g / 6.7oz
Warranty	2 Years
Compliance	CE, UKCA, RoSH 2.0, REACH, FCC

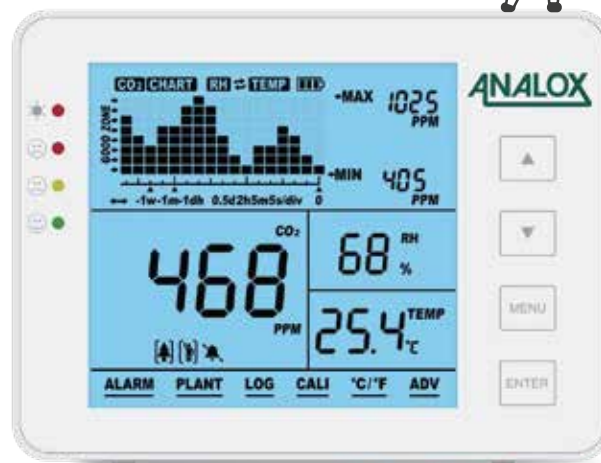
## FACT

**UK HSE** says you should, "Use carbon dioxide (CO<sub>2</sub>) monitors to identify the CO<sub>2</sub> levels to help decide if ventilation is poor."

**OSHA/ASHRAE** recommend the maximum level of CO<sub>2</sub> in a closed room is 1000ppm.

## Why Analox?

We deliver a comprehensive through life support, we make sure that Analox is always by **your** side.



## Applications

- Schools, universities & academic buildings
- HVAC
- Facilities offices & meeting rooms
- Conferences & exhibitions
- Hospitals & nursing homes
- Gyms, leisure centres & yoga studio's
- Labs
- Cannabis grow houses & plant nurseries
- Restaurants, fast food & bars
- Theatres, cinemas & stadiums
- Places of worship
- Hotels
- Cruise ships & ferries
- Homes & condos

Want to make your **building COVID secure?**  
Give us a call!

