

VISION CO2 MONITOR

USB POWERED

HIGH-QUALITY UK MANUFACTURED CO2
TEMPERATURE & RELATIVE HUMIDITY MONITOR.



The Vision CO2 Monitor is a high-quality UK Manufactured CO2, Temperature & Relative Humidity Monitor. This **USB powered** device provides a **cost effective 'plug and play'** solution to help determine if further ventilation is required by providing a clear digital readout with a simple to understand traffic light backlit display.

Key Features

USB powered

Non-dispersive Infra-red (NDIR) CO2 sensor

Clear digital readout

Bold Traffic Light Indication

Typical 10 year life expectancy

Self-calibrating CO2 sensor

Optional Wall Mount Bracket

UK MANUFACTURED

There is 400 ppm CO2 in air and we breathe out approximately 40,000 ppm with each breath, so CO2 is the most reliable proxy for poor ventilation available in occupied spaces.

Elevated CO2 levels not only provide an indication that airborne contaminants may be present, but they also reduce cognitive function, productivity and can have long term adverse effects on health and general wellbeing

“helping reduce the relative risk of the airborne transmission ”

With the current pandemic, ventilation is one of the most important factors in helping reduce the relative risk of the airborne transmission of COVID-19, which is why CO2 Monitors have been recommended as indicator of poor ventilation by the Scientific Advisory Group for Emergencies (SAGE) and the Chartered Institute of Building Services Engineers (CIBSE).

Most buildings are naturally ventilated and rely on opening windows for fresh air, or use air recirculation systems that have been switched off, so without a CO2 monitor there is no way of knowing if spaces such as classrooms and offices are adequately ventilated. The Vision CO2 Monitor removes any uncertainty and provides an immediate indication that further ventilation is needed.

Traffic Light Settings



Green: less than 800ppm



Amber: 800 - 999ppm



Red: greater than 1,000ppm

Technical Specification

Power Supply	5VDC - USB Type C
Power Consumption	<500mA
CO2 Range	0 - 10,000ppm
CO2 Accuracy	±40 ppm +3% @ NTP
CO2 Display Resolution	1ppm
CO2 Sensing Method	Non Dispersive Infra-red (NDIR)
CO2 Typical Sensor Life	10 Year
Temp Range	0 - 40°C
Temp Accuracy	±0.3°C @ 25°C
Temp Display Resolution	0.1°C
RH Range	0 - 95% (NC)
RH Accuracy	±2% @ 20 - 80%
RH Display Resolution	0.1%
Operating Conditions	Temp 0 - 40°C Humidity 0 - 95% (NC)
Sampling Method	Diffusion
IP Rating	IP40
Housing Material	Flame Retardant ABS
Colour	White (RAL9010)
Approval	CE, UKCA

What's Included

Vision CO2 Monitor
2m USB Cable

Optional Extras

Wall Mount Bracket
USB Mains Adapter Plug (White)

Dimensions

H: 84 mm x W: 84 mm x D: 36 mm



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