VISION CO2 MONITOR
USB POWERED

The Vision CO2 Monitor is designed to provide a clear indication of when further ventilation is required. Poor ventilation and increased levels of CO2 can reduce productivity, has long term adverse health effects, and can significantly increase the transmission risk of airborne viruses.

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

CONTENTS

Vision CO2 Monitor
USB 2.0 to USB Type C Cable (2m)
Mains Adapter

TECHNICAL SPECIFICATION

Power Supply	5V DC - USB Type C
Power Consumption	<300mA
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 Years
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	Pure White (RAL9010)
Approval	CE, UKCA

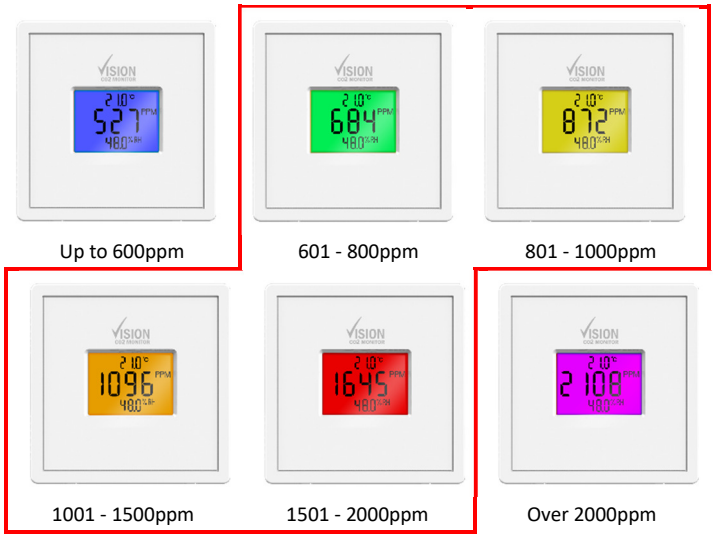
DIMENSIONS

Desk Mount:	H: 84mm	W: 84mm	D: 36mm
With Wall Bracket Fitted:	H: 84mm	W: 88mm	D: 40mm

IMPORTANT – Please read carefully

- The Vision CO2 Monitor is for indoor use only under normal temperature and pressure conditions.
- It is recommended that the unit be powered from a Laptop/PC or with the USB Mains Adapter Plug. The use of poor quality or unstable supplies may result in damage to the monitor.
- This is not a safety device and should only be used for air quality monitoring. This is not suitable where large concentrations of CO2 may be present, such as areas with piped or bottled CO2. If there is any question over the suitability of CO2 monitoring for your application, please contact a specialist.
- To self-calibrate accurately, the monitor should be continuously powered and exposed to outside levels of CO2 at least once every 8 days. This can be achieved by ensuring that a room is purged by opening windows and/or doors until the CO2 levels reaches the lowest stable reading.
- If the units are powered down and moved regularly, they must be powered for an 8 day period at least every 3 months to maintain accuracy.
- CO2 Monitoring will not provide an accurate indication of air quality when air purifiers are used as although these clean the air, they do not remove CO2.
- To clean your Vision CO2 Monitor wipe with a dry cloth only. Solvents and aerosols can cause irreparable damage to the sensor.

MULTICOLOURED DISPLAY



Blue and Purple are disabled as default. To enable these or change the PPM alarm levels, please use the Windows App that can be downloaded from the website.

WINDOWS APP CONFIGURATION

WARNING – DO NOT adjust these settings without consulting a specialist during a pandemic. The Windows App is not necessary for normal operation.

The Windows App that is free to download from:
www.flamefast-gas-safety.co.uk/vision

This will allow the following parameters to be changed:

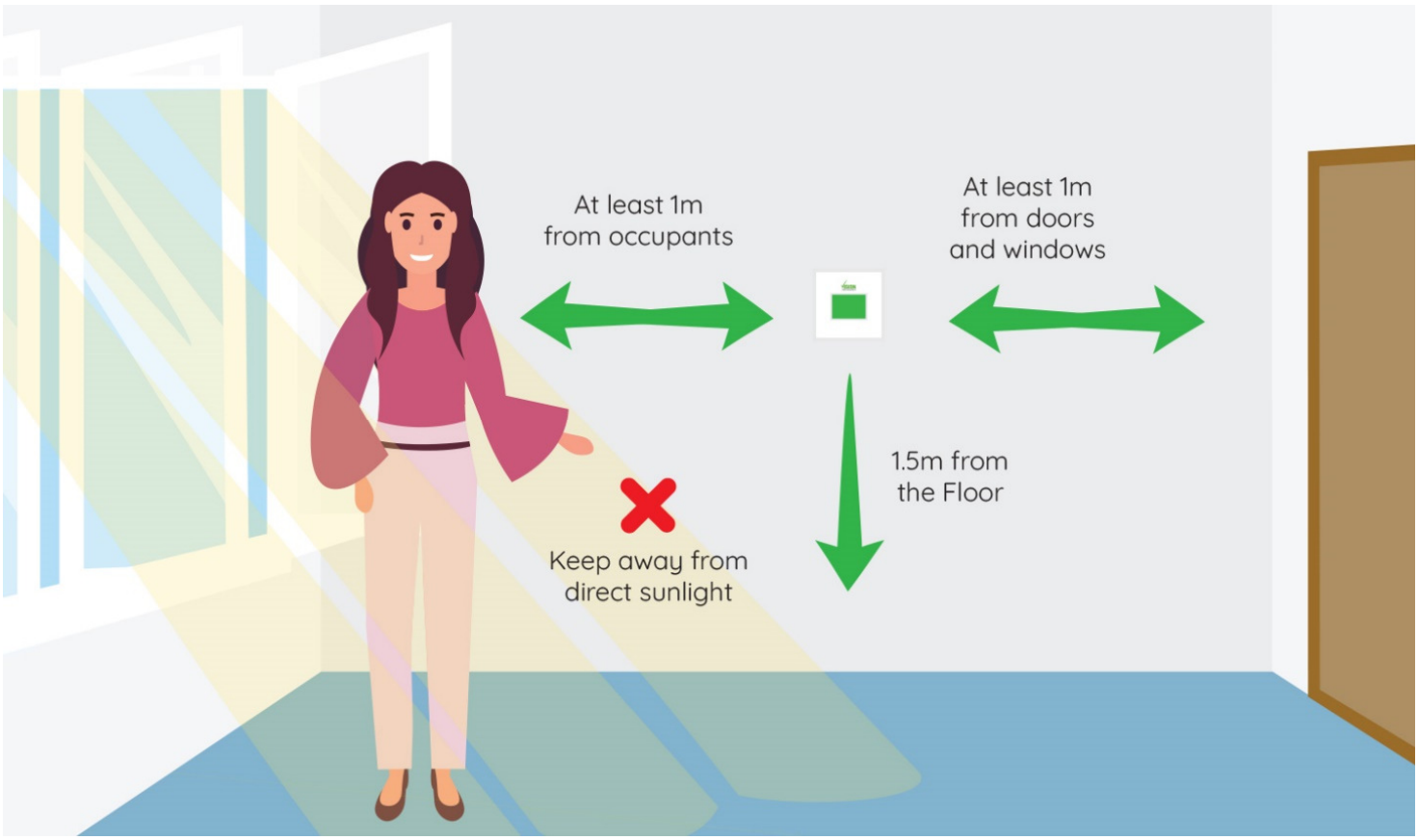
- CO2 Readout Enable / Disable (LCD still changes colour)
- Temp Readout Enable / Disable
- RH Readout Enable / Disable
- Temp Display °C / °F
- Backlight ON / OFF
- Brightness 25 / 50 / 75 / 100%
- Auto-calibration ON / OFF

The Multicolour display must have at least two colours active, and the thresholds are limited to reasonable figures for the unit application.

Other function include:

- View 30 Day Historical Data (15 min intervals – not real time date stamped)
- Download Historical Data to CSV
- Factory Reset
- Force Sensor Calibration

VISION CO2 MONITOR
LOCATION & INSTALLATION



1) To allow the release of the Wall Bracket, remove the Screw from the Base of the unit.

2) Slide the Wall Bracket downwards to release. DO NOT TRY TO UNCLIP THE BRACKET.

3) If the unit is to be desk mounted, replace the screw, and retain the Wall Bracket for future use.

4) Fix the Wall Bracket to the wall using appropriate fixings (not included). Be careful not to overtighten as this can distort the plastics.

5) Press the USB Cable into the securing channel, ensuring there is sufficient cable to loop to the cable entry point, then slide the Monitor into the bracket to lock in place.

6) Replace the securing screw to ensure that the monitor and cable cannot be removed, then plug the cable into the Vision power socket.