



CO₂ Monitor Guidance for Use

Traffic light display

- Green – Good air quality
- Amber – adequate air quality
- Red – poor air quality

Method of use:

Plug in monitor, after a short set up sequence the monitor is active.

The default CO₂ settings are currently 800ppm low and 1200ppm high. The block chart shows the trend of change this is currently defaulted to CO₂ at 5s interval. These settings can be changed refer to user manual.

CO₂ concentration levels in excess of 1500ppm is an indication that ventilation levels are not adequate and need to be investigated further. (The traffic light display will go red at 1200ppm unless altered and will act as an early indication of intervention).



The sensor should be located in a reasonably central location. Not directly in front of an open window and not in a stagnant area right up against a wall. It will need to be near a power supply.

At the start of the day windows should be pre opened say 30 mins before the pupils come in – the background CO₂ levels are normally between 400 – 500ppm and the classroom at the start of the day should be around this level. Windows should be left open at breaktime and lunchtime.

CO₂ levels will start to rise and you will likely see the monitor go to amber and gradually head toward red. The block chart shows the trend of change, if the CO₂ is rising sharply then the room is short of adequate ventilation. Going red indicates the need for intervention.

- Open windows wider.
- Open windows for cross ventilation
- Open top and bottom windows for while.
- Open windows fully for a short sharp purge.

If measures to increase ventilation with the classroom do not bring the levels below 1500ppm then please contact the Property Helpdesk at the following email address: propertyhelpdesk@moray.gov.uk

Please provide details of the room, its location and mitigation measures tried as this will be helpful in making the initial assessment of how best to respond.