

CO2 Buddy® Portable O2 monitor

ANALOX

looking after the air **YOU** breathe®



Are your people protected?

Do you enter places where carbon dioxide is produced, used or stored, is the air safe to breathe?

The CO2 Buddy® is designed for people who are entering places where carbon dioxide is produced, used or stored such as brewers, delivery drivers and technicians. Designed with the benefit of Analox's many years experience in the field of carbon dioxide detection, the unique LPIR (low power infra red) solid state sensor ensures a fast, accurate response to carbon dioxide.

Carbon dioxide is a highly dangerous toxic gas. Odourless and colourless, it is a silent killer which can't be detected by the human senses until it is too late. As little as 2% carbon dioxide can affect you.

What happens to you as carbon dioxide levels increase?

In a confined space, at levels above 2% in air your breathing rate doubles. At 3% the gas starts to have a slightly narcotic effect, blood pressure rises and hearing can be impaired. When the levels of carbon dioxide increases to between 5% and 10% you will quickly become confused, followed by unconsciousness.

Genuinely personal

For the first time, it is now possible to benefit from all the advantages of infra red gas measurement in a truly personal detector. It operates for up to 12 hours on its internal rechargeable batteries. The lightweight CO2 Buddy® sits comfortably on your belt or pocket, ensuring protection against high levels of carbon dioxide.

Reliability

Long term stability and reliability are ensured by utilising high quality components throughout, and by using purpose designed software. The Buddy® allows up to 12 months between calibration.

When you decide to protect yourself and your staff against high concentrations of carbon dioxide you need reliability. The Analox Buddy® offers complete personal protection against carbon dioxide.

Analox looking after the air you breathe.

The main benefits you get from a CO2 Buddy®

Increase your peace of mind - The Buddy® comes complete with 4 CO2 alarm states, ensuring enough warning is given to escape danger.

Increases your awareness - The alarms are both audible and visual, to make sure you know there is a problem.

Low cost of maintainance - The sensor has a 5 year guarantee

Drift and temperature compensated

The combination of an internal temperature sensor and smart technology provide comprehensive compensation against changes caused by IR source ageing and varying temperature. This provides long intervals between calibration of up to 12 months.

Datalogging

Datalogging is included as standard. It allows continuous monitoring for upto one week. Logging the date, time and CO2. Monitoring your employees safety couldn't be easier.

Protecting you!

For ultimate protection the CO2 alarm needs to be seen and heard. The Analox Buddy® has four alarm states that are set at:

- 1 OK CO2 less than 0.5%*** (Green LED flashes every 2 seconds, no audible alarm) Long term exposure limit 8hrs working followed by 16 hours in clean air.
- 2 More than 0.5% but less than 1.5%*** (The red 'Warn' LED will flash, and the buzzer will sound every 2 seconds). Short term exposure limit You must stay no longer than 15 minutes
- 3 More than 1.5% but less than 4%** (Both the red 'Warn' and the red 'Danger' LED's will flash, together with a faster buzzer sound, every 1/2 second) Danger you must leave, Potentially fatal.
- 4 More than 4%** (The red 'fatal' LED will flash, in addition to the 'Danger' and 'Warn' led's together with a faster buzzer sound, every 1/4 second). Do not enter or leave immediately. Imminent unconsciousness.

*Based on HSE Guide EH-40 Applications

Applications

Horticulture
Restaurants
Gas companies
Food packaging
Nuclear Power
Cider makers
Breweries





Fast food outlets
Wine makers
Food industries
Distilleries
Storerooms and Cellars
Pubs/Bars
Abattoirs

Accessories

Sample draw kit
Test gas kit



Specifications

Measurement:	Infra Red Absorption	Warm up time:	40 seconds
Range:	0.01 - 5%	Response time T90:	<40 seconds
Display resolution:	0.01% Standard	Operating time:	>12 hours on internal rechargeable NiMH Batteries
Accuracy:	± 2% FSD over 0.01 to 2.5% CO2 ± 3% FSD over 2.5% to 5.0% CO2	Audible alarms:	85db at a distance of 10cm
Temperature:	0-40°C	Visual alarms:	OK - Good Green Visual (4 CO2 alarm states)
Dimensions:	116 x 63 x 23mm		
Weight:	153g	Warn - Visual Red	Danger - Visual Red
Housing:	ABS		
EMC:	CE Marked	Fatal - Visual Red	Fault - Amber

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice. Full technical specifications are available upon request.

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Analox Sensor Technology Ltd, 15 Ellerbeck Court, Stokesley Business Park, North Yorkshire, TS9 5PT, UK

T: +44 (0)1642 711400 F: +44 (0) 1642 713900
W: www.analox.net E: info@analox.net

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