

O2 Buddy® Portable O2 monitor

ANALOX

looking after the air **YOU** breathe®



Are your people protected?

Do you enter places where inert gases are used or stored?
Is the air safe to breathe?

The O2 Buddy® is designed for people who are entering places where inert gases are stored or used. This includes delivery drivers, technicians as well as permanent staff. Designed with the benefit of Analox's many years experience in the field of gas detection, the Buddy® ensures a fast accurate response to oxygen.

Inert gases are odourless and colourless, a leak cannot be detected by the human senses. A drop in the oxygen level of as little as 2% can affect you adversely.

Major incidents have occurred

In October 1999 an employee of the Medical Research Council died of asphyxiation after being exposed to a low oxygen atmosphere. (Source HSE)

What happens to you as oxygen levels decrease?

In a poorly ventilated room, oxygen levels below 19.5% can impair working ability and co-ordination. If the level dropped to 10% a person can collapse into unconsciousness.

Genuinely personal

For the first time, it is now possible to benefit from all the advantages of electro-chemical measurement in a truly personal detector. The lightweight Buddy® sits comfortably on your belt ensuring your protection against low levels of oxygen. The O2 Buddy® is designed to last a working day as it operates for up to 12 hours on its internal rechargeable batteries.

Reliability

Long term stability and reliability are ensured by utilising high quality components throughout, and by using purpose designed software. The O2 Buddy® allows up to 6 months between calibration. When you decide to protect yourself and your staff against low levels of oxygen you need reliability. The Analox O2 Buddy® offers complete personal protection against low oxygen.

Let Analox look after the air you breathe

The main benefits you get from a O2 Buddy®

Increase your peace of mind - The O2 Buddy® comes complete with 2 oxygen 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 maintenance - The sensor has a 12 month warranty.

Datalogging

The Analox O2 Buddy® is fitted with a datalogging facility as standard. This logs the measured level of O2 and the corresponding date and time. The O2 Buddy® has sufficient capacity to log 5 x 12 hour shifts before overwriting. This information can be transferred through a data link using the optional software, into a spreadsheet.

Protecting you!

For ultimate protection the O2 alarm needs to be seen and heard. The Analox Buddy® has three status indicators providing the following:

1. OK O2 more than 19.5%

Green LED flashes every 2 seconds, no audible alarm. UK and USA Health and safety authorities recommended breathing level.

2. Less than 19.5% but more than 18%

The red 'Warn' LED will flash, and the buzzer will sound every 2 seconds. Danger you must leave.

3. Less than 18.0%

The red 'Danger' and 'Fatal' LED's in addition to the 'Warn' LED will flash, together with a faster buzzer sound, every 1/4 second. Do not enter; or leave immediately. Potential for unconsciousness.

Accessories

Calibration kit

Applications

Cryogenic gas storage
Nuclear
Pharmaceutical
Food testing
Clean rooms
Pathology
Fire protection
Nitrogen generation
Brewing
Refrigeration
Gas delivery



Specifications

Measurement:	Electrochemical cell	Warm up time:	10 seconds
Range:	0.1-25% O2	Response time T90:	15 seconds
Accuracy:	± 3% of full scale over 0.1-25% O2	Operating time:	>12 hours on internal rechargeable NiMH Batteries
Temperature:	0-40°C	Audible alarms:	85db at a distance of 10cm
Temperature effect:	<0.1%FS/°C	Visual alarms:	OK - Good: Green Visual
Dimensions:	116 x 63 x 23mm	(3 O2 alarm states)	
Weight:	153g		
Housing:	ABS		
EMC:	CE Marked		



Warn: Visual Red 19.5% O2 Danger: Visual Red 18% O2 Fatal: Visual Red 18% O2 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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