

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?



Confident and safe with the O₂ Buddy®

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 coordination. 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 or pocket, 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 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 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

ANALOX

looking after the air YOU breathe®

15 Ellerbeck Court, Stoksley Business Park, Stokesley,
North Yorkshire, TS9 5PT
Tel: +44 1642 711400
Fax: +44 1642 713900
Email: info@analox.net

Visit our web site www.analox.net

Applications





Cryogenic Gas Storage
Nuclear
Pharmaceutical
Food testing
Clean Rooms

Pathology
Fire protection
Nitrogen generation
Brewing
Refridgeration
Gas delivery

Specifications;

Measurement: Electrochemical cell
Range: 0.1 - 25% O₂
Accuracy: ±3% of full scale over 0.1-25% O₂
Temperature: 0 - 40°C
Temperature effect: <0.1%FS/°C
Warm up time: 10 Seconds
Response time T90: 15 Seconds
Operating time: > 12 hours on internal rechargeable NiMH Batteries.
Orientation: Not sensitive

Visual alarms:
(3 O₂ states indicators)

O.K Good: visual green
 Warn: visual red 19.5% O₂
 Danger: visual red 18% O₂
 Fatal: visual red 18% O₂
 Fault: amber

Audible alarms:

Dimensions:
Weight: 85db at a distance of 10cm
Housing: 116 x 63 x 23mm
EMC: 150 g

Full technical specifications are available upon request.

