



looking after the air **YOU** breathe

Are you using inert gases?

An inert gas leak is dangerous.
How do you know there is a leak?



The Analox 1 protecting staff.

You can't be 100% sure there's not an inert gas leak, unless you have installed a monitoring system. Inert gases are odourless and colourless, they cannot be detected by the human senses.

Where a leak has gone undetected people have died!

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?

As Oxygen levels decrease numerous side effects can occur. As little as a 2% drop in Oxygen levels will cause a person's working ability and co-ordination to become impaired. At 10% a person will collapse into unconsciousness.

The escape of inert gases into a poorly ventilated room will lower the Oxygen content to such an extent that a person entering the room could lose consciousness and die.

The USA and UK Health and Safety authorities recommend a minimum breathing Oxygen level of 19.5%.

Reliability

When you fit a monitor in your inert gas store you need proven reliability. When choosing a monitor it needs to be easy to install and easy to maintain.

The Analox 1 is an instrument you can put your faith in. It comes from a leading company with thousands of similar sensors installed in the UK and Europe.

New up to date technology means that price is no longer a barrier when fitting a monitor.

Protecting you!

Safety is our main concern.

For ultimate protection the Oxygen alarms need to be seen and heard both inside and outside the area to be monitored.

There are two alarm levels to protect you if an inert gas leak occurs. When the first audible alarm is produced, you must ventilate the room and wait outside until the unit returns to safe mode. (Green light flashing only).

When the second alarm is triggered it warns of the need to evacuate the area immediately.

The Analox 1 is priced for modern day budgets and is designed to ensure better air quality with safer working conditions.

The main benefits you get from an Analox 1

Increase your peace of mind - The Analox 1 comes complete with 2 alarm levels, ensuring enough warning is given to escape danger.

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

Reduces your maintenance costs - Giving two years between sensor changes.

Installation

The Analox 1 is an easy to fit mains powered Oxygen monitor. It simply plugs into a 13 amp 230V AC socket, and comes supplied with a complete fixing kit, (Other power supplies and plug types can be supplied.)

The Analox 1 consists of a main sensor unit, which is positioned in the work area, and remote repeater unit. The pre-wired remote repeater should be installed at eye level outside the entrance door. This allows you to check the green light is blinking, letting you know when it is safe to enter. Both units have integral sounders and flashing alarms, which operate when preset levels are reached.

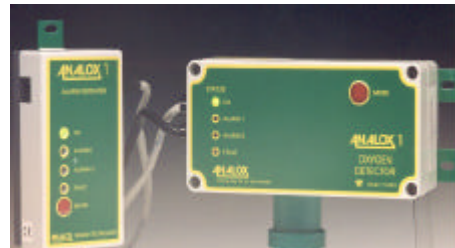
More than one door? No problem, up to three remote repeater units can be connected to the master sensor.

Do you sit at a lab bench for most of the day or are you standing up? The Analox 1 needs to be fitted in the work area and should be located at the normal work place breathing level.

Training

When it comes to training your staff on safety procedures, getting hold of literature can be difficult. Analox have the solution. To assist with in house training we have put together an information leaflet outlining the risks associated with inert gases, and a warning sheet which allows you to complete your own emergency details.

To obtain either of these please contact us.



The Analox 1 main sensor and remote repeater unit.

Applications

If you are working in any of the following industries or environments you should contact us.

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|----------------|---------------------|
| Gas Storage | Refrigeration |
| Nuclear | Pathology |
| Pharmaceutical | Fire Protection |
| Food testing | Nitrogen Generation |
| Clean Room | Brewing |

Technical Specifications

- | | |
|-------------------------|---|
| Dimensions: | 160 x 80 x 55mm |
| Range: | 0-100% |
| Accuracy: | ± 1% of reading |
| Measurement techniques: | Electrochemical cell |
| Sensor life: | Up to 3 years in air
Replacement sensors available to order. |
| Alarms: | Two alarm setpoints at 19.5% and 18% (other alarm setpoints available on request) will initiate LED's plus sounder. |
| Response Time: | <10 seconds to T90 |
| Housing: | IP 65 rated ABS enclosure |
| Warranty: | Electronics - 2 years
Cell - 2 years |

Full technical specifications are available upon request

