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## Aspida -

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The Aspida can be used to monitor carbon dioxide or oxygen or can also come as a dual monitor which can monitor both. It offers audio/visual alarms, data logging and a man down alarm.



## The O2NE+ - accurate oxygen depletion monitor

The **O2NE+** is an easy to use oxygen deficiency monitor which can be used to detect nitrogen leaks, as well as any other inert gases. It comprises of a wall mounted main sensor unit and a repeater to warn of danger outside of the room.

It is ranged from 0 to 25% and has two low audio/visual alarms. The sensor is long life and calibration is only required every 12 months which can be achieved using certified air.

What is an oxygen depletion monitor?



## The Safe-Ox+ - ideal for low and high oxygen levels

Ideal for use in laboratories where nitrogen, inert gases and enriched oxygen are used, the **Safe-Ox+** monitors both low and high levels of oxygen in the atmosphere.

It consists of a wall mounted main sensor unit and a repeater. It is ranged from 0 to 25% and has 1 low and 1 high audio/visual alarm. The sensor is long life and calibration is only required every 12 months which can be achieved using certified air.

The Safe-Ox+ has been installed across laboratories at the Centre for Process Innovation (CPI), which is based in the UK.

How can high levels of oxygen be dangerous?



## OEM Solutions

We also offer a range of highly accurate, robust original equipment manufacturer (OEM) sensors, which you can use in your own gas monitoring systems.

The **5S3** and **MIR** are infrared carbon dioxide sensors whilst the **MEC range** can monitor a range of gases.

# IS IT THE LAW TO HAVE A GAS MONITOR?



It depends on which country you are in. Some countries have standards and recommendations when it comes to gases, and others don't.

The US-based **OSHA (Occupational Safety and Health Administration)** and European **EH40** standards both have set permissible exposure limits for gases.

**Italy has established a set of guidelines** for storing nitrogen in laboratories, stating that laboratories must have an oxygen sensor in the area deemed at risk and a detection unit to highlight any danger before personnel enter, is placed outside the room.

Singapore has the **Workplace Safety and Health (WSH) Act** which aims to protect workers in all workplaces.

There are also guidelines and legislation that are applicable in a laboratory environment, including **The Confined Spaces Regulations 1997** and The Corporate Homicide Act 2007.

Bear in mind that it is not a legal requirement to follow standards, but even if it is not a legal requirement to have a gas monitor; it is highly advisable to have one in order to ensure the safety of your staff and customers.

# I WANT TO KNOW MORE

If you would like to know more about gas monitoring, why not sign up to our blog where you will receive an article once a week, straight to your inbox.



Sign up to our blog

If you work in the laboratory industry and are considering a gas monitor, we are more than happy to help recommend the perfect gas monitor for you. Contact us today and we will help you choose.



Contact us

If you know which gas monitor you need, you can visit our distributor section to find your nearest supplier.



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