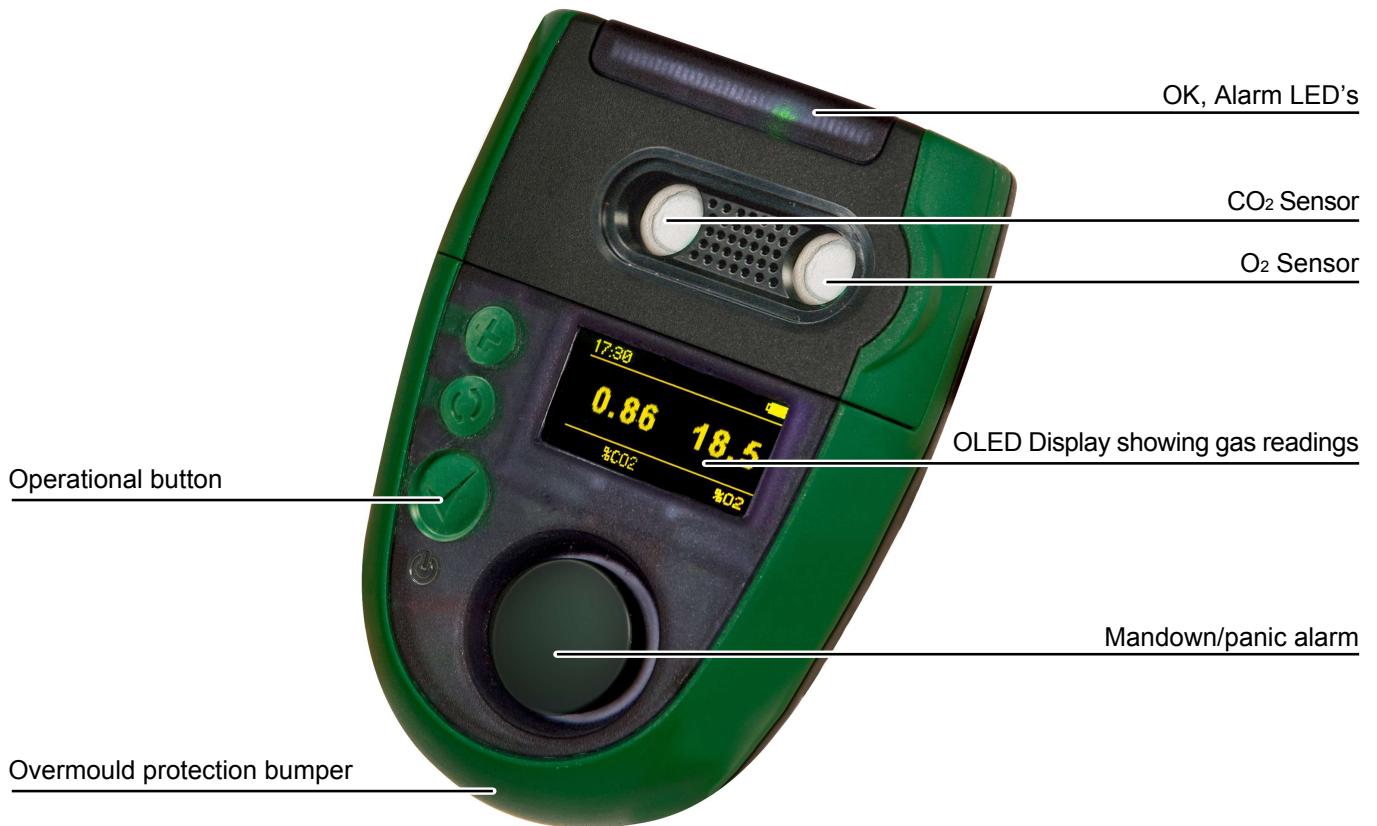


### CO<sub>2</sub> and O<sub>2</sub> portable alarm



### A truly personal alarm

The Analox Aspida is a truly personal alarm. Aspida the Greek word meaning shield, and like a shield this robust alarm is dedicated to protecting workers from the dangers of elevated carbon dioxide (CO<sub>2</sub>) and oxygen (O<sub>2</sub>) depletion.

The Analox Aspida is available as a dual CO<sub>2</sub>/O<sub>2</sub> alarm or as a single gas variant. The Aspida is supplied with the usual features including: audio/visual alarms, Time Weighted Average (TWA), vibration alarm and a highly visible display all packaged into a durable, water resistant enclosure.

But the Aspida has more features ensuring it is a true portable protector.

#### Intelligent software:

Users of the Analox Aspida will never need to worry about maintenance schedules again. The Aspida uses intelligent software which lets you know what requires maintenance and when - ensuring optimum performance of your unit. The software also allows 2 employees to share the unit, ideal for 24/7 split shift patterns

#### Mandown/panic alarm:

The Analox Aspida is the first gas alarm to incorporate a man down/panic alarm. The man down alarm will sound a loud (110db) audible alarm in the event of an employee collapsing. Alternatively, an employee can trigger the alarm manually in a panic situation.

#### Battery flexibility:

How often do you forget to recharge equipment? The Aspida offers additional flexibility with battery changing and charging. It is supplied with two rechargeable AA batteries; however, if you forget to charge your unit, you can fit and use two off the shelf AA batteries for the day.

## Potential dangers

### Carbon dioxide:

Carbon dioxide (CO<sub>2</sub>) is classified as a toxic gas. It is a colourless and odourless gas and is unable to be detected by human senses. As CO<sub>2</sub> is heavier than air, it collates at floor level, and unless dispersed will remain there.

As little as a 2% presence of CO<sub>2</sub> can lead to the human body experiencing side effects such as headaches and tiredness, where 5% can lead to unconsciousness and eventually death.

### Oxygen depletion:

Oxygen depletion occurs when an inert gas, such as nitrogen or argon, displaces oxygen levels.

Breathing air contains 21% oxygen. Even a small drop of 1% decreases your ability to work and a drop of 10% could result in unconsciousness.

## Portable protection

The only way to protect employees against these potential dangers is by using a portable gas alarm.

By choosing a portable alarm you ensure all employees are protected regardless of their location.

## Applications

### Hospitality:

Pubs, restaurants, fast food outlets, breweries, wineries

### Gas companies:

Delivery drivers

### Cryogenic facilities:

Laboratories, food packaging

### Industrial:

Risk assessors

## Analox and you

Analox have manufactured gas analysers since 1981.

Analox is a prestigious brand in the gas sensing market and are providers of high quality goods with an innovative design

When you buy Analox, you can be assured you are receiving the:-

- Best service
- Best product
- Best aftercare

For more information on Analox visit [www.analox.net](http://www.analox.net)

## Sensor specifications:

### Sensor range:

CO<sub>2</sub>: 0.01 to 5% O<sub>2</sub>: 0.1 to 25%

### Accuracy:

CO<sub>2</sub> - + 2% of full scale between 0.01 and 2.5% CO<sub>2</sub>\*  
- + 3% of full scale between 2.5% and 5% CO<sub>2</sub>\*  
O<sub>2</sub> - + 3% of full scale between 0.1 and 25% O<sub>2</sub>\*

### Operating temperature:

-5 to + 50°C

### IP rating:

IP65

### EMC:

2004/108/EC

### Operating time:

12 hours from a fully charged set of batteries or 2AA batteries

### Response time:

CO<sub>2</sub>: T90 <60 seconds O<sub>2</sub>: T90 <30 seconds

### Visual alarms:

1 x green - OK  
1 x amber - Fault  
3 x red - Alarm

### Audible alarm:

95 db @ 30 cm

### Mandown/Panic alarm:

110db @ 30 cm

### Dimensions:

L: 127 x D: 44 x W: 90mm

### Weight:

Dual: 355g, Single O<sub>2</sub>: 350g, Single CO<sub>2</sub>: 335g

\* (at standard temperature & pressure)

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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.