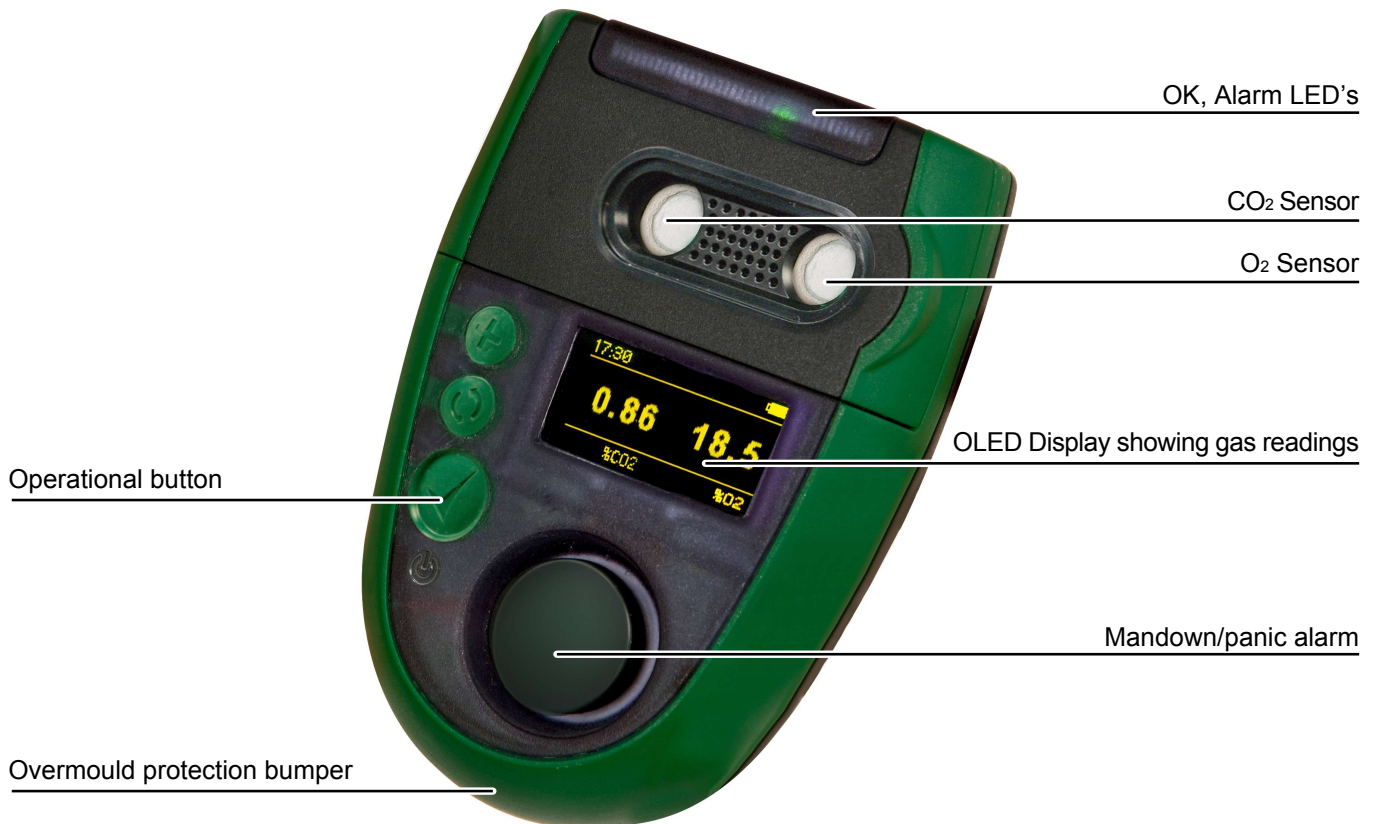


# Aspida

datasheet

## 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

\* (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.

## 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