

Aspida CO₂ & O₂ Portable Alarm

Personal Gas Monitor

- LED display of Gas Levels
- Visual/ Audible alarms
- Dual CO₂/O₂ alarm
- “Man down” alarm alert
- Up to 2 sharers
- 12 hours from fully charged



The Aspida is a personal alarm, available as a dual CO₂/O₂ alarm or as a single gas variant. It is supplied with many features: audio/visual alarms, time weighted average (TWA), vibration alarm and a highly visible display all packaged into a durable, water resistant enclosure; more features ensure it is a true portable protector.

Carbon Dioxide

Carbon dioxide (CO₂) is classified as a toxic gas. It is a colourless and odourless gas and is not easily detected by human senses. As CO₂ is heavier than air, it collects at floor level, and unless dispersed it will remain there.

As little as 2% excess of CO₂ can lead to the human body experiencing side effects such as headaches and tiredness, and 5% can lead to unconsciousness and eventually death. The only way to protect employees against these potential dangers is by using a gas alarm.

“Man down” /panic alarm

The unit incorporates 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

The unit 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.

Oxygen Depletion

Oxygen depletion occurs when an inert gas, such as nitrogen or argon, displaces oxygen levels. Breathable air contains 21% oxygen. Even a small drop in oxygen decreases your ability to work, and a large drop could result in unconsciousness, or worse.

Intelligent Software

Users of the Aspida will not need to worry about maintenance schedules. The Aspida uses intelligent software which lets you know what requires maintenance and when, ensuring optimum performance of the unit. The software also allows 2 employees to share the unit, ideal for 24/7 split shift patterns.

Part numbers

FANXASPBC03Y1101 - CO₂ Handheld monitor

FANXASPBA01Y1101 - Personal/handheld O₂ monitor

Specifications

- **Sensor range:**
 - CO₂: 0.01 to 5%
 - O₂: 0.1 to 25%
 - **Operating temperature:** -5°C to 50°C
 - **Accuracy:**
 - CO₂ - ± 2% of full scale between 0.01 % & 2.5%*
 - CO₂* - ± 3% of full scale between 2.5% & 5%*
 - O₂ - ± 3% of full scale between 0.1 & 25%*
 - **Operation time:** 12 hours from a fully charged set of batteries or 2 x AA batteries
 - **Response time:**
 - CO₂: T90 <60 seconds
 - O₂: T90 <30 seconds
 - **Visual alarms:**
 - 1 x green - OK
 - 1 x amber - Fault
 - 3 x red - Alarm
 - **Audible alarm:** 95db @ 30 cm
 - **Man down/Panic alarm:** 110db @ 30 cm
 - **Dimensions:** L: 127 x D: 44 x W: 90mm
 - **Weight:**
 - Dual: 355g
 - Single O₂: 350g
 - Single CO₂: 335g
 - **IP rating:** IP65
 - **EMC:** 2004/108/EC
- (* at standard temperature & pressure)