

# Analox Sub Aspida CO2 and O2 monitoring

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## Analox Sub Aspida

The Analox **Aspida** is a purpose designed compact portable gas monitor capable of detecting both carbon dioxide (CO<sub>2</sub>) and oxygen (O<sub>2</sub>). The unit offers continuous monitoring of partial pressure O<sub>2</sub> and volumetric CO<sub>2</sub>, making it ideal for confined space entry onboard submarines and monitoring of portable or transportable decompression chambers.

The **Aspida** is a compact, rugged unit which offers 12 hours battery life from one charge, audio visual and vibration alarms, datalogging and full user maintenance through our unique calibration software. The **Aspida** displays O<sub>2</sub>, CO<sub>2</sub> and pressure on one display making it ideal for personal monitoring on board submarines

### Enhanced accuracy

By combining the pressure sensor, Analox are able to automatically correct the O<sub>2</sub> and CO<sub>2</sub> readings for changes in atmospheric pressure. The result, a more accurate reading that you can trust.

### Software capability

Users of the Analox Sub **Aspida** will never need to worry about maintenance schedules again. The Sub **Aspida** uses intelligent software which lets you know what requires maintenance and when - ensuring optimum performance of your unit.

## Diving chambers:

The Sub **Aspida** can be mounted on the control panel and provided with a pressure reduced sample line from the chamber. The unit can be powered from a 9vDC supply or its internal rechargeable batteries making it ideal for accurate monitoring of portable chambers.

The Analox **Aspida** can be supplied as an O2 only version making it perfect for Air Diving systems.

The Sub **Aspida** offers 3 adjustable audio, visual alarms to changing CO2 and O2 levels. It's quick and easy to calibrate using ergonomic push buttons located on the front face of the unit.

## Submarines:

The Sub **Aspida** is the only portable unit available which combines a partial pressure O2 sensor with a % CO2 sensor - this combination ensures the avoidance of spurious O2 alarms caused by the pressure variations typically found on board Submarines.

The Analox Sub **Aspida** is comfortable to wear, its unique free moving belt clip enables you to view the high visibility display and alarm lights in any orientation and ensures you won't even know you're wearing it, making sure your submariners stay safe.

Where silence is the key, the Sub **Aspida** enables you to select your alarm options through our software. Visual and vibration alarms can be selected and the audio alarms disabled if required.

## Software:

The Analox **Aspida** PC software tool enables you to configure alarms, change alarm set points, download data and calibrate the O2 and CO2 sensors



## Specifications

Sensor range: CO2 0 to 5%  
O2: 0 to 1200mBar, 0 to 100%

Operating temp.: 0 to 50°C

IP rate: IP65

EMC: 2004/108/EC

Operating time: 12 hours from a fully charged set of batteries or 2AA batteries  
Continuous power option from 9vDC wall charger

Operating pressure: 800 to 1200mBar

Response time: CO2: T90 <60 secs  
O2: (T90 <30 secs)

Visual alarms: 1 x green - OK  
1 x amber - Fault  
3 x red - Alarm

Audible alarm: 95 db @ 30 cm

Dimensions: L: 126.35 x D: 43.8 x W: 88mm

Weight: Dual: 335g  
Single O2: 350g  
Single CO2: 335g

Accessories: Sub Aspida wall mounting clip

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

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15 Ellerbeck Court, Stokesley Business Park,  
Stokesley, North Yorkshire, TS9 5PT, UK

T: +44 (0)1642 711400 W: www.analox.net  
F: +44 (0) 1642 713900 E: info@analox.net

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