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**HEAD OFFICE**  
Enterprise Drive  
Westhill  
Aberdeen  
AB32 6TQ  
T: +44 (0)1224 740145  
F: +44 (0)1224 740172

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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 O<sub>2</sub> only version making it perfect for Air Diving systems.

The Sub Aspida offers 3 adjustable audio, visual alarms to changing CO<sub>2</sub> and O<sub>2</sub> 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 O<sub>2</sub> sensor with a % CO<sub>2</sub> sensor - this combination ensures the avoidance of spurious O<sub>2</sub> 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 O<sub>2</sub> and CO<sub>2</sub> sensors

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## Specification

### General

Sensor Range	CO <sub>2</sub> : 0 to 5% O <sub>2</sub> : 0 to 1200mBar, 0 to 100%
Visual Alarms	1 x green - OK 1 x amber - Fault 1 x red - Alarm
Operating Temp	0 to 50°C
Audible Alarm	95 db @ 30cm
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
Accessories	Sub Aspida wall mounting clip
Response Time	CO <sub>2</sub> : T90 <60 secs O <sub>2</sub> : (T90 <30 secs)

### Dimensions

Length	126.35mm
Depth	43.8mm
Width	88mm
Weight	Dual: 335g Single O <sub>2</sub> : 350g Single CO <sub>2</sub> : 335g

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**Analox Sub Aspida Analyser CO<sub>2</sub> / O<sub>2</sub>**

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