

carbon monoxide monitoring



CO Screen

Carbon Monoxide Monitor

Rapid assessment of Carbon Monoxide Poisoning for Emergency Services and First Responders



- Instant breath results in %COHb
- Instant breath results in PPM
- Warning traffic lights for immediate visual recognition
- Rapid response time < 30 seconds



Carbon Monoxide is a colourless and odourless gas, making its presence difficult to detect. CO Screen has been designed to enable emergency service responders to carry out a simple breath test to establish carbon monoxide levels in a subject's blood.

When dealing with CO, time is critical. In the blood stream Carbon Monoxide has an affinity with haemoglobin some 200 times greater than Oxygen. When this happens, the blood is no longer able to carry oxygen, and this lack of oxygen causes the body's cells and tissue to die.

Symptoms of CO poisoning can include severe headaches, pulsating temples, weariness, dizziness, vomiting, weak respiration and possible death. CO Screen is supplied in a portable carry case with SafeBreath filtered mouthpieces.

SafeBreath mouthpieces allow measurements to be made simply and without the worry of potential cross infection as the filter prevents transmission of more than 99% of bacteria and viruses.

CO Screen

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Gas Detected	Carbon Monoxide
Response Time	< 30 seconds
Concentration range	0 – 60 %COHb (375 ppm)
Detection Sensor Used	Electrochemical fuel cell
Sensor Sensitivity	1 ppm
Accuracy (repeatability)	± 2%
Operating Temperature	5 – 35°C
Storage Temperature	-20 - + 70°C
Storage Humidity	10% - 90% R.H.
Hydrogen Cross-Sensitivity	<12% at 20°C
Sensor Life	2 – 5 years, 2 years warranty
Sensor Drift	< 2% per month
Display	128 x 64 pixel LCD
Power Supply	9V PP3 battery
Weight	160g (inc. batteries)
Dimensions	135 mm x 65 mm x 60 mm
Indicator Levels	Green 0 – 9.9 %COHb Yellow 10 – 19.9 %COHb Red 20 – 29.9 %COHb Flashing Red 30+ %COHb
Calibration required	6 months
Warranty	Sensor - 2 years Monitor - 5 years
Part Numbers	
CO Screen Carbon Monoxide Detector	5310010
SafeBreath Filtered Mouthpieces	5350010
12 litre can 100 ppm CO balance air	5350020
Control valve for 12 litre can	5350021
Bacterial cleansing wipes (125 per tub)	5350030

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