

# Rapid Assessment of **Carbon Monoxide Poisoning** for Emergency Services and First Emergency Responders



## Features:

- Instant breath results in %COHb
- Instant breath results in PPM
- Warning traffic lights for immediate visual display
- Rapid response time

**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.



#### Specifications:

|                            |  |
|----------------------------|--|
| Gas Detected               | Carbon Monoxide  |
| Concentration Range        | 0-60 %COHb (375 PPM)   |
| Detection Sensor Used      | Electrochemical fuel cell  |
| Sensitivity                | 1 % COHb   |
| Accuracy (repeatability)   | ±2%  |
| Operating Temperature      | 5-35 degrees Celsius   |
| Storage Temperature        | -20 to + 700 C   |
| Storage Humidity           | 10% to 90% RH  |
| 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 Graphic LCD   |
| Power Supply               | Single 9V PP3 battery  |
| Weight (approximate)       | 160g including battery   |
| Dimensions                 | 135mm x 65mm x 60mm  |
| Indicator levels           | Green 0 – 9.9 %COHb<br>Yellow 10 – 19.9 %COHb<br>Red 20 – 29.9 %COHb<br>Flashing red 30+ %COHb |

**The CO Screen is part of an extensive range of breath analysis devices available from MD Diagnostics**

| Product                                 | Catalogue Number |
|---|------------------|
| CO Screen                               | CO50             |
| SafeBreath Filtered Mouthpieces         | FM200            |
| 12 litre can 100ppm CO balance air      | C20100           |
| Control valve for 12 litre can          | CV20             |
| Bacterial cleansing wipes (125 per tub) | TDW01            |

#### Distributed By:

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