

**NEW!**

**Everyone Should  
Know their CO**



# *microdot*<sup>®</sup> CO

Rapid Assessment of **Carbon Monoxide** Poisoning  
for First Responder Personnel and on Scene Emergencies

[www.microdotcs.com](http://www.microdotcs.com)

# microdot® CO

GIVES YOU INSTANT RESULTS WHEN TIME IS CRITICAL.

## Carbon monoxide is colorless, odorless and difficult to detect.

The new microdot® CO Breath Analyzer is FDA approved for CO poisoning detection providing a rapid assessment of Carbon Monoxide poisoning for Emergency Services and First Responders.

microdot® CO Breath Analyzer will give instant breath results in %COHb and PPM. Both measurements are backed up with color indicator lights for immediate visual display.

microdot® CO Breath Analyzer 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 hemoglobin some 200 times greater than Oxygen. When this happens, the blood is no longer able to carry oxygen. This lack of oxygen causes cells and tissue to degrade or die.



## USER ADVANTAGES:

- ◆ Results instantly displayed
- ◆ Results displayed in %COHb or PPM for easy interpretation
- ◆ Can be used on multiple patients with minimal effort (mouthpiece must be disposed of between patients)
- ◆ Configurable breath hold time: 0, 5, 10, 15 or 20 seconds
- ◆ Configurable light indicator dependent on operator preference
- ◆ Hard shelled carry-case with mouthpieces for easy storage and transportation.
- ◆ Semi annual calibration

## PRODUCT FEATURES:

- ◆ Accurate to poisonous %COHb levels
- ◆ Breath hold countdown (user configurable)
- ◆ Instantly displays results
- ◆ Displays CO in parts per million
- ◆ Displays %COHb
- ◆ % FCOHb
- ◆ Color light indicators of CO levels (user configurable)
- ◆ For use with microdot® SafeBreath mouthpieces
- ◆ For use with EcoStraws
- ◆ For screening for CO poisoning useful in occupational settings and, A & E departments
- ◆ Includes hard shell carry case and protective sleeve



## SPECIFICATIONS:

Gas Detected - Carbon Monoxide  
Concentration Range - 0 – 42.5% COHb (375 PPM)  
Detection Sensor Used - Electrochemical fuel cell  
Sensitivity - 1 % COHb  
Accuracy (repeatability) -  $\pm 2\%$   
Operating Temperature - 41-95 °F  
Storage Temperature - -4-158 °F  
Storage Humidity - 10% to 90% RH  
Hydrogen cross-sensitivity - <12% at 20° C  
Sensor Life - 2 - 5 years, 2 year 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 60mm x 30mm  
Indicator levels:  
Green 0 – 9.9 %COHb/1-60 PPM  
Yellow 10 – 19.9 %COHb/61-120 PPM  
Red 20 – 29.9 %COHb/121-185 PPM  
Flashing red 30+ %COHb/186-375 PPM  
These are correlating parts per million ranges. %/PPM

For ordering information

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**CS** CAMBRIDGE SENSORS USA, LLC