

New Tool for the Detection of CO Poisoning on the Scene

Too often, the diagnosis of CO poisoning has been misdiagnosed because the symptoms are mistaken for the flu or even fatigue. Now with the **MicroCO**, firefighters and emergency providers can diagnose carbon monoxide poisoning easily, quickly and inexpensively right on the scene thus preventing possible long term cardiac and/or neurological damage.

Studies have determined that breath carbon monoxide monitors such as the **MicroCO** can provide fast, inexpensive, and noninvasive estimates of the approximate concentration of blood COHb, facilitating diagnosis and treatment of CO poisoning^{1,2}.

The **MicroCO** is the gold standard in CO breath testing and is the most advanced system currently available today. Some of its many features include fast response time, 1 ppm resolution, immediate display of CO levels in parts per million (ppm) and percent carboxyhemoglobin (%COHb) and color light indicators for a visual presentation of the results.



Features

- ✓ Small, lightweight, portable and durable
- ✓ Ideal tool for firefighter rehab and triage of suspected CO poisoning
- ✓ Complies with NFPA 1584 - "Standard on the Rehabilitation Process for Members During Emergency Operations and Training Exercises"
- ✓ Proven technology - has been in use for over 15 years
- ✓ Immediate display of CO levels in ppm and %COHb
- ✓ Easy to use, clean and maintain
- ✓ Simple calibration routine
- ✓ Single switch operation
- ✓ Low cost per use
- ✓ Battery life - 30 hours of continuous use
- ✓ Supplied in a hard plastic carrying case
- ✓ Optional soft padded case (Cat. No. CAS1015)

1. Caroline E. Fife, Gordon H. Otto, Stephen Koch, Mark Nguyen & Ginger Wilhelm: A Noninvasive Method For Rapid Diagnosis Of Carbon Monoxide Poisoning: *The Internet Journal of Emergency and Intensive Care Medicine*. 2001; Volume 5, Number 2.
 2. M. J. Jarvis, M. Belcher, C. Vesev, DCS Hutchison: *Low Cost Carbon Monoxide Monitors in Smoking Assessment*. Thorax 1986; 41:886-887.

Customer Benefits and Features

The **MicroCO** is a powerful diagnostic tool for measuring alveolar Carbon Monoxide in parts per million (ppm) concentrations and also calculates the percentage Carboxyhemoglobin (%COHb). Operating from a single 9 volt battery, the **MicroCO** combines accuracy and simplicity making it the preferred choice for all types of health professionals worldwide.

Ease of Use

Measurements are easily obtained from a single exhalation and are aided by an auto-zero function at turn on, combined with a breath hold countdown timer. These results are then instantly displayed on the large, easy to read liquid crystal display and are visually represented by the appropriate color light indicator.

Design Innovation

An ergonomically designed unit of distinctive appearance, the textured handgrip encourages easy and reassuring use. The **MicroCO** is small, lightweight and is molded from high impact ABS plastic for durability.

Calibration Gases

In order to keep your carbon monoxide monitor in proper working condition and always have reproducible results at your disposal, we recommend calibration every six months. Calibration can be easily and safely carried out by the end user with our calibration cylinder. Alternatively, a calibration service is available by returning your carbon monoxide monitor to Micro Direct.

MicroCO Specifications

Gas detected	Carbon Monoxide
Concentration range	0 - 300 ppm
Sensitivity	1 ppm
Operating range	0 - 104 degrees Fahrenheit
Operating pressure	Atmospheric +/- 10%
Hydrogen cross-sensitivity	<5%
Sensor life	2 - 5 years
Sensor drift	<2% per month
Display	3 1/2 digit custom LCD
Power supply	Single 9 volt battery
Weight (Net)	6.4 ounces (including battery)
Weight (Packed)	2.5 pounds
Dimensions	6.5" x 2.5" x 1"
Indicator levels	green - 0 to 6 ppm; amber - 7 to 10 ppm; red - 11+ ppm; poison audio alarm - 72+ ppm



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This Carbon Monoxide monitor is part of an extensive range of respiratory measurement devices distributed by Micro Direct, Inc. and is offered as Catalog No. MC02 (MicroCO).