

## Essential Tool for Smoking Cessation and Carbon Monoxide monitoring

As someone who is involved in the field of smoking cessation, you are only too well aware of the dangers caused by smoking. What you need is a means of quickly and effectively monitoring your patient's carbon monoxide levels—and then convincingly persuading them of the risks they bring upon themselves by smoking.

**MD Spiro / Micro Direct** offers two models of carbon monoxide monitors specifically designed for your needs.

### MicroCO

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 PPM and %COHb, color light indicators, capable of interfacing with COBRA, a windows based software package for performing and storing real time breath tests on your PC.

### SmokeCheck

The **SmokeCheck** is designed as a simple screening test for cigarette consumption. Displaying an instant indication of CO levels in PPM and backed up with color light indicators, the **SmokeCheck** is the most cost effective CO monitor available today. Conversion of PPM results to %COHb is easily obtained using the **SmokeCheck's** smoking cessation guide chart.

### COBRA Software

COBRA offers a unique opportunity for performing and storing carbon monoxide breath tests. Based on a Microsoft Word document, the CO report can easily be customized with logos, headings and other information. A single icon click launches a CO test allowing real-time control and display once connected to the **MicroCO**.



## Features

- Small, lightweight and portable
- Zero warm-up time
- Easy to use, clean and maintain
- Simple calibration routine
- Single switch operation
- Auto-zero facility
- Color light indicators
- Audible warning tone for high CO levels
- Supplied with all accessories in a sturdy carrycase
- Breath-hold countdown timer (MicroCO only)
- *Cobra* PC software (MicroCO only)
- RS232 output (MicroCO only)

**Carbon Monoxide testing is third party reimbursable using CPT code #94250**

## Customer Benefits and Features

The **MicroCO** is a powerful diagnostic tool for measuring alveolar Carbon Monoxide in parts per million (ppm) concentrations and percentage Carboxyhemoglobin (%COHb). Operating from a single 9 volt battery for approximately 2000 tests, the MicroCO combines accuracy and simplicity making it the preferred choice for all types of health professionals worldwide.

The **SmokeCheck** is the most cost effective CO monitor available today. Four ranges of CO levels are featured on the custom LCD. 0 to 6 ppm and green light will indicate a non smoker. 7 to 10 ppm and amber light will indicate a light smoker. 11 to 20 ppm and red light will indicate a smoker and 20+ and red flashing light with audible alarm will indicate a heavy smoker.

## Ease of Use

Measurements are easily obtained from a single expiration 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. Both the **MicroCO** and **SmokeCheck** are small, lightweight and are 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 **MD Spiro / Micro Direct**.

## MicroCO (#MC02) Specifications

Gas detected	Carbon Monoxide
Range	0 - 100 ppm
Accuracy	+/- 5% of reading or 1 ppm whichever is greater
Sensitivity	1 ppm
Operating range	0 - 104 degrees Fahrenheit
Operating pressure	Atmospheric +/- 10%
Hydrogen cross-sensitivity	<15%
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)	8 ounces
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

## SmokeCheck (#SC01) Specifications

Gas detected	Carbon Monoxide
Range	0 - 100 ppm
Accuracy	+/- 5% of reading or 1 ppm whichever is greater
Sensitivity	0.5% / °C
Operating range	0 - 104 degrees Fahrenheit
Hydrogen cross-sensitivity	<15%
Sensor life	2 - 5 years
Display	Custom LCD
Power supply	Single 9 volt battery
Weight (Net)	4.6 ounces
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 to 20 ppm; flashing red and audio alarm 20 ppm and over



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These Carbon Monoxide monitors are part of an extensive range of respiratory measurement devices distributed by Micro Direct, Inc. and is offered as Catalog No. MC02 (MicroCO) and SC01 (SmokeCheck)