

Micro

Micro CO/Smoke Check

Medical

a subsidiary of
VIASYS Healthcare

Two outstanding Carbon
Monoxide monitors for
the simple detection of
cigarette consumption.



Focus on the Future

Medical

All the tools you need for smoking cessation... from Micro Medical

Micro Medical is an award winning company - we are proud of our innovations and our dedication to providing healthcare professionals with the best tools for the job is continuous.

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.

Micro Medical can offer you two types of carbon monoxide monitors:

Micro CO

The **Micro CO** 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, 1ppm resolution, immediate display of CO levels in PPM and %COHB, colour light indicators, capable of interfacing with COBRA, a windows based software package for performing and storing real time breath tests on your PC. A unique benefit of COBRA is that all reports produced can be created in your local language using the currently installed character set of your Windows installation.

Smoke Check

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

Customer Benefits and Features of the Micro CO

The Micro CO is a powerful diagnostic tool for measuring alveolar Carbon Monoxide in PPM concentrations and percentage Carboxy-haemoglobin. Operating from a single 9V PP3 battery for approximately 8000 tests the Micro CO 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 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 colour light indicator.

Design Innovation

An ergonomically designed unit of distinctive appearance, the textured housing encourages easy and reassuring use. Both the Micro CO and Smoke Check are small, lightweight and are moulded from high impact ABS for durability.



COBRA SOFTWARE

A unique and simple software for storing carbon monoxide

LOW 5

%COHb
CO - PPM

micro CO



COBRA

Micro
Le Breath Medical Systems

VIASYS
MEDICAL SYSTEMS

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 customised with logos, headings and other information. A single icon click launches a CO test, allowing real-time control and display once connected to the Micro CO.

Customer Benefits and Features of the Smoke Check

The Smoke Check 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 regular smoker
- 20+ ppm and red flashing light with audible alarm will indicate a heavy smoker

To complement the Smoke Check, an eye catching A2 poster and specially designed CO to %COHB conversion chart is available.



Complete with all accessories

Both Micro CO and Smoke Check come complete with a hard shell carry case, sample cardboard mouthpieces, one-way plastic mouthpiece adaptor, calibration adaptor, calibration tool, 9V PP3 battery and operating manual. Catalogue numbers of both the Micro CO and Smoke Check and all consumables are featured on the reverse page.

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 customised with logos, headings and other information. A single icon click launches a CO test, allowing real-time control and display once connected to the Micro CO.



Disposable Mouthpieces

Available in boxes of 250 or an easy to use dispenser box of 50.



Calibration Gases

In order to keep your Micro CO and Smoke check in pristine working condition, and always have at your disposal reproducible results, the Micro CO and Smoke check will require calibration at six monthly intervals. Calibration can easily and safely be carried out by the end user with our Medican, 1 litre size calibration cylinder. Alternatively, a calibration service is available by returning your Micro CO/Smoke check to Micro Medical Ltd or an authorised Micro Medical agent.



Specifications

Micro CO specifications

Gas Detected	Carbon Monoxide
Concentration range	0-500ppm
Sensitivity	1ppm
Operating range	0-40 degrees Celsius
Operating pressure	Atmospheric \pm 10%
Hydrogen cross-sensitivity	<3%
Sensor life	2-5 years
Sensor drift	<2% per month
Display	3½ digit custom LCD
Power supply	Single 9V PP3
Weight (Nett)	160gm
Weight (Packed)	1kg
Dimensions	170 x 60 x 26mm
Indicator levels	green - 0-6ppm; amber - 7-10ppm; red - >11+ppm poison audio alarm - >72ppm

Smoke Check specifications

Gas Detected	Carbon Monoxide
Concentration range	0-500ppm
Sensitivity	1ppm
Operating range	0-40 degrees Celsius
Sensor life	2-5 years
Sensor drift	<2% per month
Display	Custom LCD
Power supply	Single 9V PP3
Weight (Nett)	130gm
Weight (Packed)	950gm
Dimensions	170 x 60 x 26mm
Indicator levels	green - 0-6ppm; amber - 7-10ppm; red - 11-20ppm, flashing red and audio alarm 20ppm and over

Bibliography

- 1 Richard D. Stewart, MD; R. Scot Stewart; William Stamm; Richard P. Seelen. Rapid Estimation of Carboxyhemoglobin Level in Fire Fighters. JAMA, Jan26, 1976-Vol 235, No 4
- 2 M J Jarvis et al. Expired air carbon monoxide: a simple breath test of tobacco smoke intake. British Medical Journal, 16 August 1980
- 3 Nicholas J Wald, Marianne Idle, Jullian Boreham, Alan Bailey. Carbon monoxide in breath in relation to smoking and carboxyhaemoglobin levels. Thorax, 1981, 36, 366-369
- 4 M J Jarvis, M Belcher, C Vesey, D C S Hutchison. Low cost carbon monoxide monitors in smoking assessment. Thorax, 1986, 41, 886-887
- 5 Definition of a reliable threshold value for detecting current smokers by CO measurement. Marino Luigi; Latini Roberto; Barbano Gina; Bazzleria Giorgio; De Luca Anita, Nardini Stefano - Respiratory and TB Unit-General Hospital- Via forlanini, ITALY.

The Smoke Check, Micro CO Carbon Monoxide monitors, and accessories are part of an extensive range of respiratory measurement devices manufactured by Micro Medical Ltd and are offered as the following catalogue numbers:

Product	Catalogue Number
Micro CO	MC02
Smoke Check	SC01
Micro CO calibration gas	MCG020
Smoke Check calibration gas	MCG020
Calibration valve with flow indicator	MGA222
Mouthpiece adaptor with one-way valve.	PSA2000
Disposable cardboard mouthpieces (250/box)	PSA1200
Cardboard mouthpiece dispenser with disposable mouthpieces (50/box)	PSA1400
COBRA software package including interface cable compatible with Micro CO only	CB1000
Replacement sensor for Micro CO	CEL5900
Internal lithium battery for Micro CO	BAT5900
Replacement sensor for Smoke Check	CEL4100

Micro Medical Ltd pursues a policy of continuing improvement in design, production and performance of its products, the right is therefore reserved to vary details at any time without notice.



Micro Medical Limited

PO BOX 6, Rochester, Kent, ME1 2AZ, UK

Telephone 01634 893500

Fax 01634 893600

International +44 1634 893500

Email micromedical@viasyshc.com

www.micromedical.co.uk



Local Representative:

