

A simple approach to  
CARBON MONOXIDE breath testing



## CO CHECK PRO BABY

- ✓ Live environmental CO capture
- ✓ Audio-visual indicators
- ✓ Customer configurable traffic lights

## CO CHECK BABY +

- ✓ Low cost
- ✓ Largest display of any CO monitor available



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# CO Check Pro Baby

## CO Check Baby +

MD Diagnostics Ltd is a world leader in breath analysis and is committed to providing exceptional tools to aid Smoking Cessation.

The CO Check Pro Baby has been designed to enable all healthcare professionals to carry out quick and simple breath tests that provide comprehensive results. A single breath from a pregnant woman will instantly display her results in PPM and %COHb along with the results of CO she has passed on to her unborn baby. This result is displayed as %FCOHb or Foetal Carboxyhaemoglobin. All measurements are backed up with an appropriate traffic light for visual effect.

The CO Check Pro Baby is capable of giving a real time display of Environmental CO levels prior to carrying out a breath test. When activated the Environmental mode is a live measurement, when moving from room to room measurements will fluctuate depending on what Carbon Monoxide levels are present at the time. Environmental results are instantly displayed in PPM.



The CO Check Baby + has been designed as a low cost simple screening test device. A single breath will instantly display CO levels in PPM, %COHb and %FCOHb on a large easy to read custom display.

The CO Check Baby + comes complete with all accessories and is supplied in a soft shell carry case for easy transport.

The CO Check Baby + is rapidly becoming the device of choice for all smoking cessation professionals helping pregnant women quit smoking.

### Specifications:

Gas Detected	Carbon Monoxide
Carbon Monoxide	0-99 PPM
Concentration Range	Electrochemical fuel cell
Detection Sensor Used	0.1 PPM (0-10 PPM range); 1 PPM (10-99PPM range)
Accuracy (repeatability)	2ppm or +/-5% whichever is greater
Operating Temperature	5-35° Celsius
Operating Pressure	Atmospheric 10%
Operating Humidity	30% to 90% RH
Operating Altitude	Sea level to 6000 ft
Storage Temperature	-20 to + 70°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 30mm
*Indicator levels (CO Check Pro)	Green 0 - 6 PPM Yellow 7 - 10 PPM Red 11 - 20 PPM

### Product

CO Check Pro Baby  
CO Check Baby +

### Catalogue Number

CO30  
CO15

### Bibliography

Conchita Gomez, Ivan Berlin, Pierre Marquis, Michel Delcroix.  
Expired air Carbon Monoxide concentration in mothers and their spouses above 5ppm is associated with decreased fetal growth. Preventative Medicine 2005

Stephanie J Ventura et al. Trends and variations in smoking during pregnancy and low birth weight. Evidence from birth certificate. 1990 - 2000 Paediatrics Vol III No 5 May 2003  
M J Jarvis et al. Expired air Carbon Monoxide: a simple breath test of tobacco smoke intake. British Medical Journal 16 August 1988  
Nicholas J Wald, Marianne Idle, Julian Boreham, Alan Bailey. Carbon Monoxide in breath in relation to smoking and carboxyhaemoglobin levels. Thorax 1981, 36, 366-369.  
Definition of a reliable threshold value for detecting current smokers by CO measurement. Marino Luigi, Latini Roberto, Barbano Gina, Bazzlerla Giorgio, De Luca Anita, Nardini Stefano - Respiratory and TB Unit-General Hospital-Via forlanini, Italy.



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