

# A simple approach to **CARBON MONOXIDE** breath testing

## CO Check Pro Baby

Live environmental CO capture  
Audio-visual indicators

## CO Check + Baby

Low cost  
Largest display of any CO monitor available



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**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 women 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.



## CO Check + Baby

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 - CO Check Pro Baby:

<b>Gas Detected</b>	Carbon Monoxide
<b>Concentration Range</b>	0 - 99ppm
<b>Detection Sensor Used</b>	Electrochemical fuel cell
<b>Sensitivity</b>	0.1 PPM (0-10 PPM range); 1 PPM (10-99PPM range)
<b>Accuracy (repeatability)</b>	2ppm or +/-5% whichever is greater
<b>Operating Temperature</b>	5-35° Celsius
<b>Operating Pressure</b>	Atmospheric 10%
<b>Operating Humidity</b>	30% to 90% RH
<b>Operating Altitude</b>	Sea level to 6000 ft
<b>Storage Temperature</b>	-20° to + 70° C
<b>Storage Humidity</b>	10% to 90% RH
<b>Hydrogen cross-sensitivity</b>	<12% at 20° C
<b>Sensor Life</b>	2 - 5 years, 2 years' warranty
<b>Sensor Drift</b>	<2% per month
<b>Display</b>	128 X 64-pixel Graphic LCD
<b>Power Supply</b>	Single 9V PP3 battery
<b>Weight (approximate)</b>	160g including battery
<b>Dimensions</b>	135mm x 65mm x 30mm
<b>*Indicator levels</b>	Green 0 - 6 PPM Yellow 7 - 10 PPM Red 11 - 20 PPM Flashing red 20+ PPM CO PPM (Carbon monoxide parts per million) %COHb (% carboxyhaemoglobin) %FCOHb (% foetal carboxyhaemoglobin)
<b>Results displayed</b>	

### CO Check Pro Baby - Product code - CO30

#### Bibliography

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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, Bazzleria Giorgio, De Luca Anita, Nardini Stefano - Respiratory and TB Unit-General Hospital-Via forlanini, Italy.

### Specifications - CO Check + Baby:

<b>Gas Detected</b>	Carbon Monoxide
<b>Concentration Range</b>	0 - 99ppm
<b>Detection Sensor Used</b>	Electrochemical fuel cell
<b>Sensitivity</b>	0.1 PPM (0-10 PPM range); 1 PPM (10-99PPM range)
<b>Accuracy (repeatability)</b>	2ppm or +/-5% whichever is greater
<b>Operating Temperature</b>	5-35° Celsius
<b>Operating Pressure</b>	Atmospheric 10%
<b>Operating Humidity</b>	30% to 90% RH
<b>Operating Altitude</b>	Sea level to 6000 ft
<b>Storage Temperature</b>	-20° to + 70° C
<b>Storage Humidity</b>	10% to 90% RH
<b>Hydrogen cross-sensitivity</b>	<12% at 20° C
<b>Sensor Life</b>	2 - 5 years, 2 years' warranty
<b>Sensor Drift</b>	<2% per month
<b>Display</b>	Custom LCD
<b>Power Supply</b>	Single 9V PP3 battery
<b>Weight (approximate)</b>	150g including battery
<b>Dimensions</b>	135mm x 65mm x 30mm
<b>Results displayed</b>	CO PPM (Carbon monoxide parts per million) %COHb (% carboxyhaemoglobin) %FCOHb (% foetal carboxyhaemoglobin)

### CO Check + Baby - Product code - CO15



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