



Handheld breath CO monitoring tool for use with pregnant smokers.

Touchscreen. Calibration-free. 5-year warranty.

The piCObaby™ Smokerlyzer® is a breath carbon monoxide monitor, specifically designed for use with pregnant smokers. It is a valuable tool for pregnant smokers to visualise the effects that smoking is having on them and their child. Ideal for use within the midwifery setting as well as for use with general smokers in smoking cessation programmes and research.



Large, colour touchscreen

Highly intuitive operation with icon-based navigation

Mother and baby readings

Measures CO in ppm (parts per million) and carboxyhaemoglobin for both mother and baby. Traffic light bars for easy interpretation of results.

Made with SteriTouch®

Built with an antimicrobial surface that kills bacteria on contact. Great for infection control.

No calibration required and 5-year warranty

Use with confidence without the need to calibrate the device. Uses re-usable d-piece and single-use Steribreath® mouthpiece.



The piCObaby™ features a large touchscreen colour display with a simple user interface for complete ease of use. With just one touch of a button, a user can perform a test following the on-screen prompts for when to inhale, exhale and when to stop. The device measures carbon monoxide levels (ppm), carboxyhaemoglobin (%COHb) and fetal carboxyhaemoglobin (%FCOHb) in a breath sample. Results are displayed in seconds showing PPM, %COHb and %FCOHb values as well as the familiar green, amber and red traffic light system providing the user with a visual interpretation of results.

The piCObaby™ can also be connected to a PC via USB cable using the free COdata+ software. The software allows the input of patient data, capture of readings whilst the device is connected to the PC, storing of results, interpretation and reporting. (USB cable not included).

Designed with infection control in mind, the plastic casing of the device is made using SteriTouch® technology, a material that eradicates 99.9% of harmful bacteria on contact. The device does not require calibration and comes with a 5-year manufacturer's warranty. Verification gas and kits are available to check the status of the monitor if required. The device uses a re-usable, multi-patient D-piece combined with Bedfont's patent pending Steribreath® single-use mouthpieces. Steribreath® mouthpieces are available in boxes of 250 and are individually sealed for optimal infection control.



Technical Information

Device category	CO Breath Monitor
Concentration range	0-150ppm
Display	Full colour touchscreen
Detection principle	Electrochemical Sensor
Accuracy (Repeatability of reading)	< 3%
H2 cross-sensitivity	<5%
T90 Response time	≤17 seconds
Batteries	3 x AA (LR6 or equivalent) alkaline batteries
Operating temperature range	10-40°C (storage 0-50°C)
Operating humidity	10-90% (storage 0-95%) non-condensing
Sensor operating life	5 years
Sensor sensitivity	1ppm
Dimensions	Approx. 34 x 75 x 140mm
Weight	Approx. 200g including batteries
Warranty	5 Years
Construction: Body	Polycarbonate/ABS blend, SteriTouch anti-Microbial additive
Construction: D-piece	Polypropylene

Ordering Information

Intermedical Code	NHS SC Code	
1420004NB	FDD3223	Bedfont piCObaby™ Smokerlyzer® Includes: Bedfont piCObaby™ Smokerlyzer, Pouch, User manual, Quick start guide, Interpretation Chart Poster

Accessories & Consumables		
1420040	FDD3681	Steribreath® Mouthpieces (Box of 250)
1420015/3	FDD3226	D-pieces (Pack of 12)
1420016	FDD4241	Alcohol-free wipes (Pack of 50)
GO-27083	-	Alcohol-free Hand Sanitiser (50ml)
1420111	FDD3227	20ppm reference gas kit, 12 litre
1420112	FDD4249	20ppm reference gas kit, 110 litre
1420102	FDD4244	20ppm reference gas canister only, 12 litre
1420104	FDD4246	20ppm reference gas canister only, 110 litre

