



# NObreath®

*Aids in the diagnosis & management of asthma, one breath at a time.*



**FeNO monitoring  
made easy!**

## Benefits of monitoring FeNO with the NObreath®

- Non-invasive, quick and easy to perform<sup>1</sup>
- Aids in asthma management, assisting the correct prescription and making monitored adjustments
- Shows patient adherence to treatment<sup>4</sup>
- Aids in identifying patients who do/do not require on-going treatment<sup>2</sup>
- Aids in differentiating between allergic (eosinophilic) and non-allergic asthma<sup>3</sup>.
- Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry<sup>1</sup>



Exclusive  
NObreath® forum



FREE FeNOchart™  
patient management  
software



Adult, child & ambient  
test modes



Create & save  
patient details



Onscreen animated  
flow meter for  
motivation

## Ideal for:

- GP's
- Respiratory Nurses
- Clinicians
- Medical Students

## Features and Benefits



Clinically proven



Low maintenance



FeNO testing without limits\*



Adult & child testing



Easy to use



Low cost

\* Subject to correct use, maintenance and service. Tested up to 29,000 tests.

## References

1. Andrew D. Smith, Jan O. Cowan, Sue Filsell, Chris MacLachlan, Gabrielle Monti-Sheehan, Pamela Jackson and D. Robin Taylor. Diagnosing Asthma: Comparisons between Exhaled Nitric Oxide Measurements and Conventional Tests. *Am J Respir Crit Care Med* Vol 169. pp 473-478, 2004.
2. D R Taylor, MW Pinenburg, A D Smith and J C D Jongste. Exhaled nitric oxide measurements: clinical application and interpretation. *Thorax* 2006;61:817-827.
3. Coumou HBel E. Improving the diagnosis of eosinophilic asthma [Internet]. Taylor and Francis online. 2017 [cited 15 March 2017]. Available from: <http://www.tandfonline.com/doi/full/10.1080/17476348.2017.1236688>
4. Beck-Ripp J, Griese M, Arenz S, Koring C, Pasqualoni B, Bufler P. Changes of exhaled nitric oxide during steroid treatment of childhood asthma. *Eur Respir J* 2002;19:1015-1019.

[www.nobreathfeno.com](http://www.nobreathfeno.com)

# Technical Specification

<b>Concentration range</b>		5-500ppb
<b>Display</b>		Full colour touchscreen
<b>Detection principle</b>		Electrochemical sensor
<b>Repeatability</b>		±5ppb of measured value ≤ 50ppb ±10% of measured value > 50ppb
<b>Accuracy</b>		±5ppb of measured value ≤ 50ppb ±10% of measured value > 50ppb
<b>Power</b>	<b>NObreath<sup>®</sup> monitor</b>	1 x main rechargeable Li-ion battery- Approx. 100 uses on fully charged battery 2 x Li-ion coin cell battery- Approx. 5 years Input: 5V, 0.5A
	<b>NObreath<sup>®</sup> Dock</b>	Mains powered Input: 5V, 0.5A Output: 5V, 0.5A
	<b>Plug</b>	Input: 100-240V ~ 50/60Hz., 0.2A Output: 5.0V, 1.0A
<b>T<sub>90</sub> response time</b>		≤10 seconds
<b>Temperature</b>	<b>Operating</b>	15-30°C
	<b>Storage/transport</b>	0-50°C
<b>Humidity</b>	<b>Operating</b>	20-80% RH (non-condensing)
	<b>Storage/transport</b>	5-95% RH (non-condensing)
<b>Operating/storage/transport pressure</b>		800-1080 mbar
<b>Sensor operating life</b>		5 years (subject to servicing)
<b>Sensor sensitivity</b>		1ppb
<b>Sensor drift</b>		<5% per annum
<b>Dimensions</b>		Approx. 90 x 159 x 59 mm
<b>Weight</b>		Approx. 400g
<b>Materials</b>	<b>NObreath<sup>®</sup> monitor</b>	Case: polycarbonate/ABS blend SteriTouch <sup>®</sup> anti-microbial additive
	<b>NObreath<sup>®</sup> Dock</b>	
<b>Breath test time</b>	<b>Adult</b>	12 seconds
	<b>Child</b>	10 seconds
	<b>Ambient</b>	30 seconds
<b>Warm-up time</b>		≤60 seconds
<b>Maximum ambient operating level</b>		350 ppb NO
<b>CO cross interference</b>		45ppm ≤17.6 ppb

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Bedfont Scientific Ltd.  
Station Road, Harrietsham, Maidstone  
Kent, ME17 1JA, England.  
Tel: +44 (0)1622 851122, Fax: +44 (0)1622 854860  
Email: [ask@bedfont.com](mailto:ask@bedfont.com) Web: [www.bedfont.com](http://www.bedfont.com)



Stephen Rowe  
Cristimar E4-1  
Ave Juan Carlos I  
Los Cristianos, Arona, 38650  
Santa Cruz de Tenerife, Spain



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