



Exclusive NObreath® forum



Free FeNOchart™ patient management software



Adult, child and ambient test modes



Ability to create and save patient details



On-screen animated flow meter for motivation



## BENEFITS OF MONITORING FeNO WITH THE NObreath®

- Non-invasive, quick, and easy to perform<sup>1</sup>
- Aids in asthma management, assisting with correct prescriptions and making monitored adjustments
- Helps identify patients who may or may not require ongoing treatment<sup>2</sup>
- Assists in differentiating between allergic (eosinophilic) and non-allergic asthma<sup>3</sup>
- Shown to be superior to most conventional lung function tests, such as peak flow recording and spirometry<sup>1</sup>
- Shows patient adherence to treatment<sup>4</sup>



## FEATURES AND BENEFITS

- Clinically proven
- Low maintenance
- FeNO testing without limits\*
- Suitable for adult and child testing
- Easy to use
- Cost-effective
- Ambient testing

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



## GREAT FOR:

- GPs
- Respiratory nurses
- Clinicians
- Medical students

## TECHNICAL SPECIFICATIONS

Concentration range		5-500 ppb
Display		Full colour touchscreen
Detection principle		Electrochemical sensor
Repeatability		±5 ppb of measured value ≤ 50 ppb ±10% of measured value > 50 ppb
Accuracy		±5 ppb of measured value ≤ 50 ppb ±10% of measured value > 50 ppb
Power	NObreath® Device	1x main rechargeable Li-ion battery – Approx. 100 uses on fully charged battery Model: RRC1120. Voltage: 3.6V / 3.7V Capacity: 2350MAH / 2000mAh 2x Li-ion coin cell battery – Approx. 5 years Model: LIR2032. Voltage: 3.6V. Capacity: 45mAh Model: LIR2450. Voltage: 3.7V. Capacity: 120mAh
	NObreath® Dock	Mains powered Input: 5V, 0.5A Output: 5V, 0.5A
	Plug	Input: 100-240V ~ 50/60Hz, 0.2A Output: 5.0V, 1.0A
T <sup>90</sup> response time		≤10 seconds
Temperature	Operating	15-30°C
	Storage/transport	0-50°C
	Calibration	21°C ±4°C (17°C-25°C)
Humidity	Operating	20-80% RH (non-condensing)
	Storage/transport	5-95% RH (non-condensing)
Operating/transport/storage Altitude		-1700 ft. to 6300 ft.
Operating/transport/storage pressure		800-1080 mbar
Expected sensor operating life		5 years (subject to servicing)
Limit of Detection		5 ppb
Sensor drift		<5% per annum
Dimension		Approx. 90 x 159 x 59 mm
Weight		Approx. 400 g
Materials	NObreath® Device	Case: polycarbonate/ABS blend anti-microbial technology additive
	NObreath® Dock	
Breath test time	Adult	12 seconds
	Child	10 seconds
	Ambient	30 seconds
Warm-up time		≤60 seconds
Maximum ambient operating level		350 ppb NO
CO cross-interference		45 ppm ≤17.6 ppb

NOTE: Exhaled flow during FENO measurement at 50ml/sec ±10% at 10cm H<sub>2</sub>O  
Information from the NObreath® datasheet available at [www.bedfont.com/resources](http://www.bedfont.com/resources)

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, M W Pineburg, 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, Arnez S, Koring C, Pasqualoni B, Buefler P. Changes of exhaled nitric oxide during steroid treatment of childhood asthma. Eur Respir J 2002;19:1015-1019.