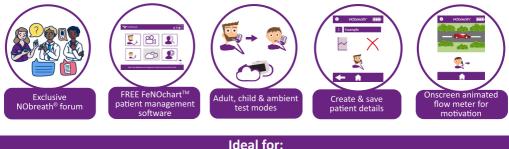
# NObreath®

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



#### Benefits of monitoring FeNO with the NObreath<sup>®</sup>

Non-invasive, quick and easy to perform<sup>1</sup>. Shown to be superior to the majority of conventional tests of lung function, such as peak flow recording and spirometry<sup>1</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>. Aids in asthma management, assisting the correct prescription and making monitored adjustments Shows patient adherence to treatment<sup>4</sup>.



• GP's

Respiratory Nurses

Clinicians

Medical Students



#### 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

## **Technical Specification**

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 <sup>*</sup> Device	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
	NObreath <sup>®</sup> 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 <sub>90</sub> response time		≤ 10 seconds
Temperature	Operating	15 - 30°C
	Storage/transport	0 - 50°C
Humidity	Operating	20 - 80% RH (non-condensing)
	Storage/transport	5 - 95% RH (non-condensing)
Operating/storage/transport pressure		800 - 1080 mbar
Sensor operating life		5 years (subject to servicing)
Sensor sensitivity		1 ppb
Sensor drift		< 5% per annum
Dimensions		Approx. 90 x 159 x 59 mm
Weight		Approx. 400 g
Materials	NObreath <sup>®</sup> Device	Case: polycarbonate/ABS blend anti-microbial technology additive
	NObreath <sup>®</sup> 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

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