![medisoft logo] **medisoft** ®
CARDIO-RESPIRATORY INSTRUMENTATION

FeNO +

Multifunctional system for measuring
endogenous Nitric Oxide (NO)

# FeNO+

Simple and accurate measurement of exhaled and nasal NO as a marker in respiratory diseases.

## Early detection and better management of asthma by targeting the underlying airway inflammation.

Medisoft FeNO+ : A complete and economic solution for the measurement of exhaled and nasal NO.

The first electrochemical NO analyzer that allows both, Spirometry and a comprehensive NO analysis in full conformity with ATS-ERS standards.

### 5 testing modes :

- Measurement of bronchial FeNO at standard flowrate (50 ml/s)

- Multi-flow mode (4 levels) with extended analysis of alveolar and bronchial compartments

- Off-line NO analysis

- Nasal NO analysis by 2 sampling methods

- Spirometry (optional)

### Clinical applications :

- Asthma, airway inflammations and air pollution exposures

- Screening of Primary Cilliary Dyskinesia

- Alveolitis associated with systemic autoimmune diseases

Nasal NO

Bronchial NO

Alveolar NO
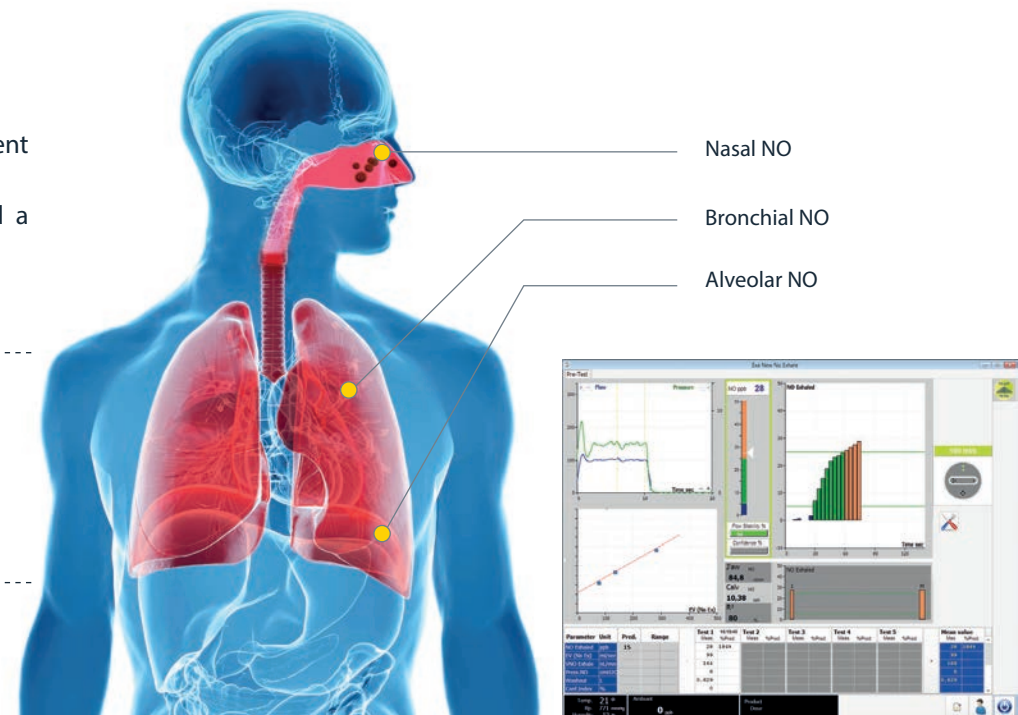
Ideal for : respiratory allergy assessment, asthma centers, pediatrics, respiratory care departments, research.

## Optimal cost/effectiveness

- Lowest running cost (~ 4 € per patient)

- Global software framework (Expair)

- Ideal tool for scientific research

- Long lasting NO sensor, calibration
  every 6 months

## Highest performance

- NO free-gas is guaranted by a filter

- 4 levels of expiratory flowrate, including the standard flow of 50 ml/s

- Easy, non invasive and fast measurements  with  software driven guide and on screen bio-feedback

- Incentive mode for small children

- Realtime monitoring of expiratory flowrate and mouth pressure for quality control

- Customisable pseudo-online sampling method that fully captures the ATS standardised protocol

- Mathematical model for estimation of alveolar concentration and maximal bronchial flux of NO

- Reliable method  and standardised flow for nasal air sampling

- Full conformity with ATS-ERS standards (2005, 2011)

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## ExpAir, the Medisoft software

### The most intuitive, user-friendly and complete software package available today, for all Medisoft devices.

- Data array storage allowing re-evaluation and calculation of test parameters, with export and HL7 messaging capabilities for research and integrating to Hospital systems.

- Trend tabular data reporting of any parameter.

- Interpretation function (GLi 2012 guidelines).

- Comments and offline input.

- Online data transfer.

- Report designer.

- Predicted value editor, new interpretation algorithm based on LLN, ULN, Z-score and percentile.

- Choice of languages and units of measurement.

- Bronchial challenge testing software included.

- Manual entry of blood gases.

- Full calculation function: display of calculation points with manual correction capability.

- Quality control automated software, diagnostic functions and full program control.

- Remote assistance using Teamviewer™.

Intended users : Medical diagnostic device, Class IIa, should only be used by doctors, physiologists, trained respiratory technicians/nurses or under supervision of such. Data obtained must be interpreted and reported by trained medical staff only.

CE
**1434**

## Technical specifications :

| Physical Dimensions | Module |
|---|---|
| (H x W x D) cm | 21 x 14 x 33 |
| Weight | ± 10 Kg |

| | |
|---|---|
| Power supply : | 230 VAC 50 Hz or 115 VAC 60 Hz |
| Power consumption : | ± 20 VA (without spirometry) |
| | ± 70 VA (with spirometry) |
| Warmup time : | 20 min. |
| Meets all electrical safety requirements : | EN60601-1 |
| Classification : | IIa |
| CE MARK : | CE 1434 |
| MDD : | 93/42/EC and harmonized standards |
| Computer interfacing : | Windows 10 ™ Pro |
| | USB 2.0 / 3.0 |

## Ambient conditions for use

| | |
|---|---|
| Temperature : | 10 - 35°C |
| Relative humidity : | 25 to 85 % (non condensed) |
| Barometric pressure : | 645 to 795 mmHg |

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