medisoft ®
CARDIO-RESPIRATORY INSTRUMENTATION

FeNO +

Exhaled Nitric Oxyde (NO) measurement

www.medisoft.be

FeNO +

Easy, accurate measurement of exhaled Nitric Oxide (NO), bronchial, nasal and alveolar.
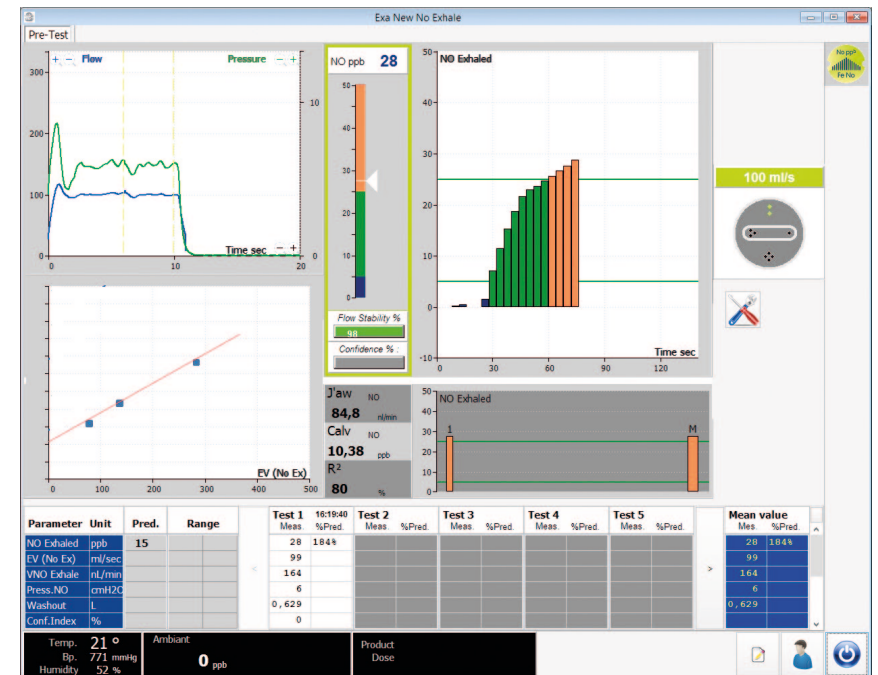
Early detection and patient management of asthma and inflammation.

Medisoft FeNO+ is a stationary and semi-portable device for accurate, repeatable measurement of Exaled Nitric Oxide (NO) with off-line measurement from an internal sample bag.

FeNO+ is demonstrated being an accurate parameter and market to detect, quantify, monitor airway inflammation, response to pharmacological treatment, follow-up of therapy, screening, assessment of Primary Ciliary Diskinesia (PCD), etc.

3 testing modes :

- Bronchial, at a flow rate of 50ml/s with incentive screen.

- Nasal (option), at a sample flow rate of 100ml/s through a nasal catheter, breathing through resistance for velum closing.

- Alveolar, with automatic Calv and Jaw graphic generation, at different flow rates (50, 100 and 150 ml/s).

Medisoft FeNO⁺ :

- Meets all **ERS/ATS guidelines**, standardised tests.

- **Easy test procedure**, software driven, step-by-step.

- **Simple, fast**, non-invasive measurement with on-line quality control.

- **Repeatable measurement**, with user replaceable built-in ambient Nitric Oxide-free filter.

- **Lowest cost per test**, requires only anti-bacterial filter.

- **User-accessible NO cell**, long lasting, typically 24 months or longer.

- **Stand-alone or integrated** module in all Medisoft PFT and Metabolic cart products.

Easy measurement sequence :

1 - Initialisation

- Patient exhales out to room air.

2 - Inspiration

- Maximal inspiration through ambient NO-free filter that guarantees repeatable conditions.

3 - Expiration

- Controlled expiration at chosen flow rate with choice of incentive screens.

4 - Sample collection and gas analysis with display of results

- Clear information with quality control indicators, all numerical parameters, software generated comments.

Nasal NO (Option)

- This test is used to measure the NO concentration in the nasal cavity.

- The principle is as follows: patient connects a catheter to one of his nostrils. Air from his nasal cavity is then continuously analysed by the NO electrochemical sensor. Throughout the analysis, patient breathes through an expiratory brake so that the velum is closed to prevent any contamination of nasal air with bronchial air.

Can be combined with the following devices:

ECG, SpiroAir, FOT Resmon Pro, BodyBox, HypAir, Micro 5000, Micro 6000, Ergocard Professional, Ergocard Clinical.

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ExpAir, the Medisoft software

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

- Advanced, 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.

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Technical specifications :

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

Power requirements :	230 VAC 50 Hz or 115 VAC 60 Hz
Power consumption :	± 20 VA (module)
Warmup time :	20 min.
Meets all electrical safety requirements :	IEC60601-1
Classification :	IIa
CE MARK :	CE 0029
MDD :	93/42/EC and harmonized standards
Computer interfacing :	Windows 7 Pro / Ultimate/ 8.0 / 8.1 ™ Serial interface RS232 / USB 2.0

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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A MGC Diagnostics subsidiary

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