FeNO+ PFS

NO analyzer

MULTIFUNCTIONAL SYSTEM

FOR MEASURING ENDOGENOUS NITRIC OXIDE (NO)

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.

FeNO+ device.
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.

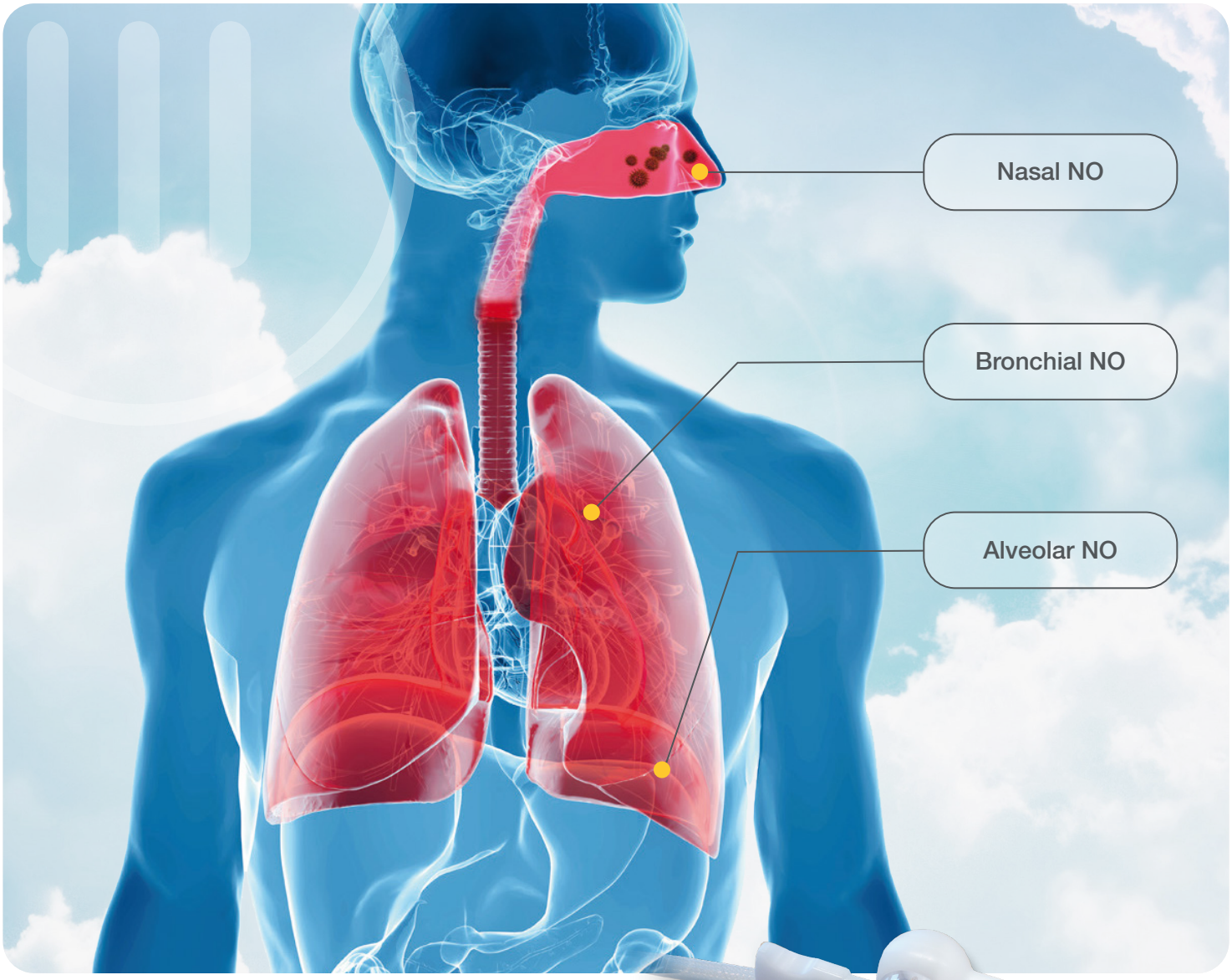
FEATURING PREVENT® FLOW SENSOR TECHNOLOGY

The small, durable and lightweight preVent® flow sensor is used on all systems.

- Saves time between patients with no warm-up or recalibration needed between changes and provides maximum infection control
- No moving parts or electronics

mgcdiagnostics.com

MGC DIAGNOSTICS®



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 (optional)
- Spirometry (optional)

Clinical applications:

- Asthma, airway inflammations and air pollution exposures
- Screening of Primary Cilliary Dyskinesia
- Alveolitis associated with systemic autoimmune diseases

The preVent® flow sensor (PFS) is based on an **exclusive** design which is small, durable and lightweight. **The preVent® flow sensor** has been validated to meet or exceed the ATS/ERS specifications. It is used worldwide in thousands of labs on MGCD devices and provides accurate testing results with safety and infection control in mind.

- No warm-up or recalibration needed between patients, can be verified with 3L cal syringe at any time to comply to standards.
- Practical Snap-in setup, no moving parts or electronics.

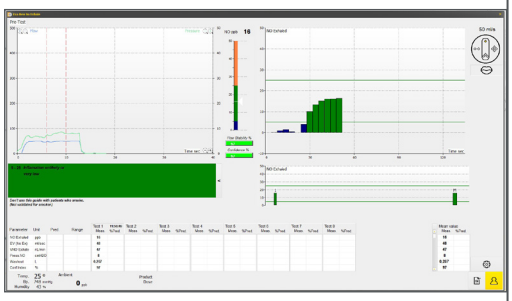
We give you three options for infection control, you make the choice that is right for you!

1. **Change:** simply change the filter and keep the same preVent® flow sensor.
2. **Re-Use:** change the flow sensor between patients and replace with disinfected components.
3. **Dispose:** dispose of the flow sensor after each patient.

HIGHEST PERFORMANCE

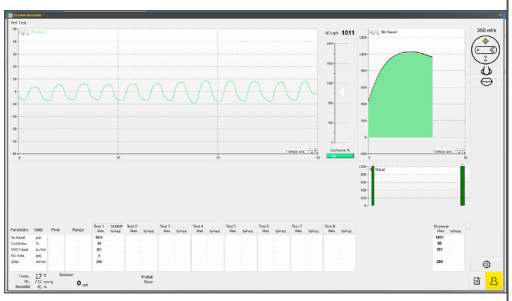
- NO free-gas is guaranted by a filter
- 4 levels of expiratory flowrate, including the standard flow of 50 ml/s
- Easy, non invasive and fast measurements with software driven guide and on screen bio-feedback
- Incentive mode for small children
- Realtime monitoring of expiratory flowrate and mouth 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

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

OPTIONAL



- Mobile trolley, with support for printer, keyboard and printer
- Full Spirometry (SVC, FVC, MVV, Pre/Post) with weather station

FULL COMPATIBILITY

- With other devices including;HypAir, BodyBox, SpiroAir, Ergocard, ECG, Micro 5000, Micro 6000, Restech Resmon Pro Full V3 FOT

OPTIONS: complete the diagnostic picture with the Resmon Pro Full V3 for accurate pulmonary resistance measurements. The Resmon Pro Full V3 is a revolutionary and validated Forced Oscillation Technique (Oscillometry) stand-alone device. Get the full picture of asthma, COPD and Post-Covid patients. Testing includes fast (10 breath tidal breathing) assessment of sensitive small airways and lung recruitment.

Combined with FeNO, Resmon Pro Full V3 adds FOT resistance and reactance for a perfect picture of Inflammation and Obstruction in asthma management programs, early detection and medication control over time.

Resmon Pro Full V3 is a product from Restech srl

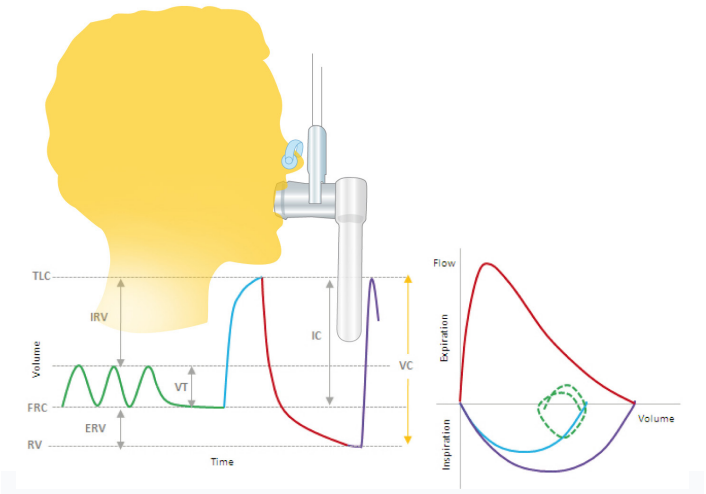
EXPAIR II SOFTWARE

The driving force of the system is **Expair II,** a powerfully intuitive, user-friendly and complete software package. Available for all devices.

- Advanced, powerful database function and electronic storage, full networking, HL7 and MySQL options
- Trend Reporting of any parameter
- New interpretation algorithm based on LLN, ULN, Z-Score and percentile
- Comments and Offline data input such as arterial blood gases
- Online data transfer
- Report designer
- Predicted value editor
- Choice of languages and units of measurement
- Bronchial challenge testing software
- Measurement sequencing configuration
- Full calculation function: display of calculation points with manual correction capability
- Quality control automated software, diagnostic functions and full program control

Technical Specifications:

Physical Dimensions Module	
(H x W x D)	cm 21 x 14 x 33
	inches 8,3 x 5,5 x 13
Weight:	10 Kg
	22 lbs
Power supply:	100-240 VAC / 50 - 60 Hz
Power consumption:	75 VA
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



Part# 0923FEEN

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