

MICRO 5000 RHINOMANOMETRY

Measurement of the nasal airway resistance

- Comfortable and easy to use
- Better sealing
- User friendly software
- Accurate measurements
- Low cost of operation and maintenance



medi soft
CARDIO-RESPIRATORY INSTRUMENTATION

Stand alone device or full integration with
our range of full pulmonary function instruments.
Particularly with the Nasal FeNO+ Device

MICRO 5000 RHINO

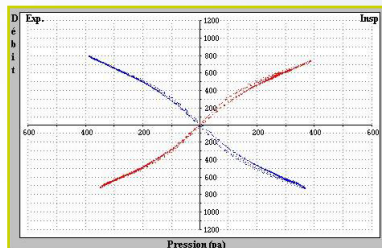
Designed for the Active Anterior Rhinomanometry
kit for Active Posterior Rhinomanometry in option

The perfect unit for:

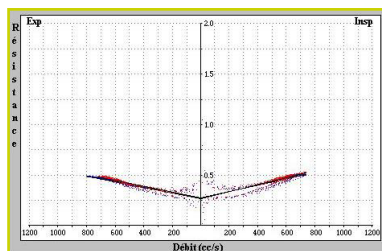
- The evaluation of the specific sensitivity of the nasal mucosa to different allergens
- The measurement of the pressure, the volume of air and the resistance encountered
- The highlighting of nasal obstruction

Measured and calculated Parameters

- Flow
- Laminar Resistance (R(LAM))
- Röhrer Coefficient (K1, K2)
- Degree of linearity of the relation R/Flow (n)
- Equation of Röhrer or Corrected Laminar resistance (Rmixte)
- Acceleration (Acc)
- Middle Flow Indication (IDM)
- Tidal Volume (Vol cc)
- Comparison Tests PRE & POST



Flow/Pressure Diagram



Röhrer Diagram



3 sizes of nasal olives for patient comfort and a better sealing



Pneumotachograph
Easy disassembly and cleaning

Calibration:

Pneumotachograph - A simple procedure controlled by the software EXPAIR for a quality value

Nasal Pressure sensor - Calibration performed during the annual maintenance of the device but can be done more often by the user

Cleaning and disinfection:

Sensitive elements are easily removed and cleaned with cold disinfectant

GENERAL SPECIFICATIONS

Dimensions (H x W x D) cm	13 X 19 X 29,5
Weight	+/- 4,2 Kg
Power requirements	230/115 VAC 50/60 Hz
Power Consumption	+/- 15 VA
Warm up Time	20 min. minimum
Conform to electrical safety req. IEC60601/1 and CE 0029 certified	

FLOW MEASUREMENT

Type	Lilly cone
Range	+/- 0 to 1,2L/sec (4 selectable ranges: 0,2; 0,4; 0,8; 1,2 L/sec)
Resistance	0,4 cmH2O/L/sec
Bandwidth	0 to 20Hz (Dual filter 20DB/Decade)
Resolution	+/- 0,5mL/sec
Differential Piezo pressure sensor (Range: +/-10cmH2O) protected against overpressure	
Automatic correction of the drift of the offset value	

PRESSURE MEASUREMENT

Type	Piezo electric pressure sensor (Range: +/-20cmH2O) protected against overpressure
Range	+/- 0 to 1200 Pascal (4 selectable ranges: 200; 400; 800; 1200 Pascal)
Resolution	0,4 cmH2O/L/sec
Bandwidth	0 to 20Hz (Dual filter 20DB/Decade)
Automatic correction of the drift of the offset value	

OPTIONS

- Kit for Active Posterior Rhinomanometry
- Calibration Syringe 1Liter
- Computer integration trolley with electrical insulation transfo.
- Automatic data backup
- Medisoft Network
- Data transfer & reception (HL7,...)

COMPUTER INTERFACE (REQUIRED)

Type	Serial RS232 or USB
Isolation	System fully isolated by optocoupling
Computer	Standard PC, 19" monitor, Printer A4 colour Deskjet
Operating system	Windows 7® 32 or 64 bit

Your official dealer :

EXPAIR Software

- A sophisticated and powerful data-base function and electric storage function
- Trends report (Historic function)
- Pre & Post Test
- Comment function
- Data input "offline" and data transfer "online"
- Report designer
- Predicted value editor
- Choice of languages
- Choice of units for the measured parameters
- Measurement sequencing configuration
- Full calculation function : display of calculation points with manual correction capability
- Technical toolbox to enable diagnostic function and full program control
- Inbuilt quality control with calibration markers for performance
- Remote Diagnostic Service



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