



Micro 5000 / 6000 Spirometry

The ideal choice for desktop spirometry

www.medisoft.be

Micro 5000^{Spirometry}

Expandable table-top spirometry : reliability, accuracy and modularity in one compact module.
Micro 5000, the building block of your complete pulmonary function lab.

Complete basic Spirometry :

Forced Vital Capacity, Slow Vital Capacity, Maximum Voluntary Ventilation and Minute Tidal Ventilation including bronchochallenge testing software.

- Small, compact module.
- High precision, reliable, accurate stable gold standard Lilly heated pneumotachograph with no moving parts - Adult pneumotachograph : flow measurement from 0 to 15 l/s.
- Low cost of operation, low maintenance.
- Expair software suite, with complete operator and patient guidance.
- Multi-flow option : choose additional Lilly pneumotachographs for Paediatrics (0 to 6 l/s) and Newborn (0 to 3 l/s).

Or add at any time one of the below options :

Bronchoprovocation and special resistance testing :

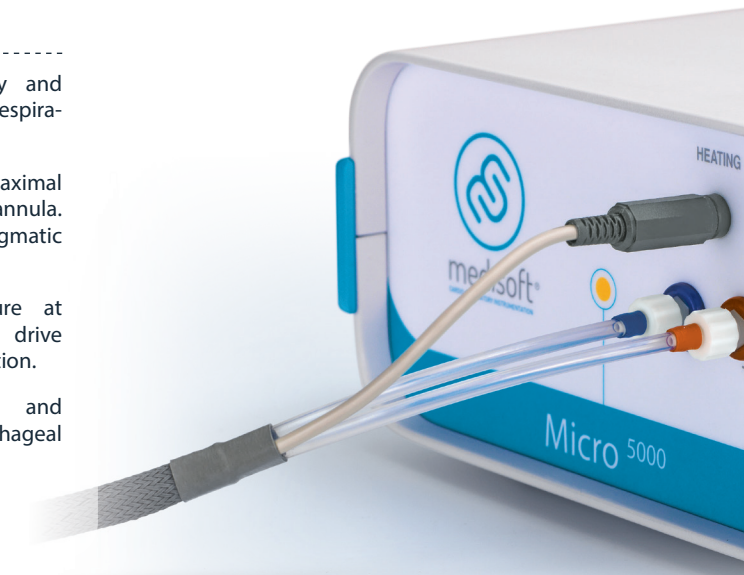
- PROVO4 Provocation System for automated, software controlled, accurate and safe bronchial provocation testing.
- RINT : resistance measurement using interrupter technique, ideal for children.
- NEP : this measurement (negative expiratory pressure) is an alternative method to detect expiratory flow limitation, which does not require performance of forced expiratory efforts on the part of the patient, or a body plethysmography test.

Can be combined with the following devices:

ECG, FeNO+, FOT Resmon Pro, BodyBox, HypAir, SpiroAir, Ergocard Professional, Ergocard Clinical.

Respiratory Mechanics testing :

- MIP – MEP : maximum inspiratory and expiratory pressure as an indicator of respiratory muscle strength.
- SNIP : measurement of the maximal nasal inspiratory pressure using a nasal cannula. A non-invasive indicator of diaphragmatic muscle fatigue.
- P01 : inspiratory occlusion pressure at 0.1 seconds, for respiratory muscle drive evaluation, even with CO2 stimulation option.
- Static and dynamic compliance and resistance : measured by intra-oesophageal balloon catheters.



Ideal for : respiratory care departments, clinical labs, all pulmonary diagnostics, respiratory allergy assessment, pediatrics, physiology, research, occupational

Micro 6000 Spirometry

Micro 6000, the economical choice, for basic spirometry, clinical trials or just simple office spirometry.

Complete basic Spirometry:

Forced Vital Capacity, Slow Vital Capacity, Maximum Voluntary Ventilation and Minute Tidal Ventilation including bronchochallenge testing software.

- Includes a built-in complete weather station with pressure, temperature, humidity sensors with direct automatic reading.
- Small, compact module.
- High precision, reliable, accurate, stable gold standard Lilly heated pneumotachograph with, no moving parts.
- Low cost of operation, low maintenance
- Expair software suite, with complete operator and patient guidance.
- Low cost solution, non expandable.



Can be combined with the following devices:

ECG, FeNO+, FOT Resmon Pro, BodyBox, HypAir, SpiroAir, Ergocard Professional, Ergocard Clinical.

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™.

Technical specifications :

Physical Dimensions	Micro 5000	Micro 6000
(H x W x D) cm	13 x 19 x 29,5	9 x 15 x 18,6
Weight	± 4,2 Kg	± 1,9 Kg

Power requirements :	230 VAC 50 Hz or 115 VAC 60 Hz
Power consumption :	± 10 VA (module)
Meets all electrical safety requirements :	EC60601/1
Classification :	Ila
CE MARK :	CE 1434
MDD :	93/42/EC and harmonized standards
Computer interfacing :	RS-232 (Micro5000) - USB (Micro 6000) with electrical isolation

Ambient conditions for use

Temperature :	10 - 35°C
Relative humidity :	25 to 85 % (non condensed)
Barometric pressure :	No restriction



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.



A MGC Diagnostics subsidiary

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