



Spirolab[®]

7 inch Touchscreen
All in one portable Desktop Spirometer
with Oximetry option

MIR
MEDICAL INTERNATIONAL RESEARCH

www.spirometry.com
www.oximetry.com

Spirolab®

Fast, simple, durable diagnostic spirometer

- FVC, FEV1, IVC, MVV, PRE/POST
Bronchodilator comparison with a wide range of selectable parameters
- Long life Rechargeable Battery
- Color Touchscreen 7 inches display
- Direct connection to external USB Printer
- 10,000 Spirometry tests or 500 hours of Oximetry recording
- Wireless Real Time test on PC via Bluetooth®
- Fast and silent built-in printer with customizable printout format

Fast and intuitive

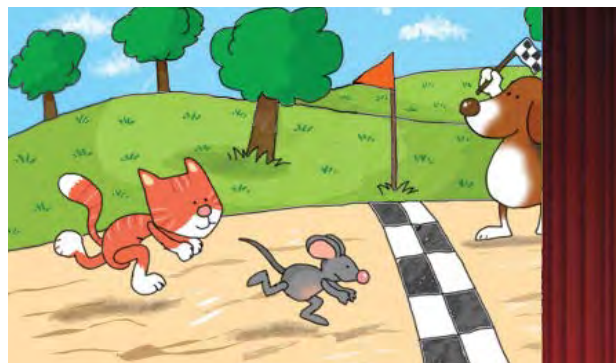
for modern professionals

Each function can be activated by a simple touch on the intuitive bar menu always present on the screen.



Oximetry option

Available with adult / pediatric finger probe



Suitable for children

Patented pediatric incentive

Directly on the screen to improve patient compliance during a Spirometry test.

INTERNATIONAL
PATENT



FlowMIR®

MIR Disposable Flowmeter
(complies with ATS/ERS standards)

Spirometry testing requires maximum accuracy and hygiene.

Each turbine is factory calibrated with a computerized system and it is packaged individually in a clean room.

100% hygiene guaranteed!

Option available: reusable turbine.

- No Cross-Contamination
- No calibration required

Always included:

Winspiro PRO®

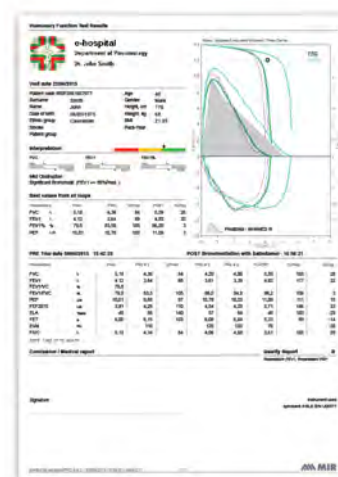
High performance PC software for spirometry and oximetry

- Free software upgrades
- Network Version available

Carrying Case



Summary
of all tests
carried out



Printout:
Spirometry
report

Spirolab[®] - Spirometry - Technical specifications

- Power supply: Rechargeable battery and mains power
- Temperature sensor: semiconductor (0-45°C)
- Flow sensor: bi-directional digital turbine
- Flow range: ± 16 L/s
- Volume accuracy: $\pm 3\%$ or 50 mL
- Flow accuracy: $\pm 5\%$ or 200 mL/s
- Dynamic resistance: < 0.5 cmH₂O/L/s
- Connectivity: USB 2.0, Bluetooth[®] 2.1
- Display: 7 inch colour touch screen LCD, 800x480 resolution
- Mouthpieces: \varnothing 30 mm (1.18 inch)
- Dimensions: 220 x 210 x 51 mm (8,66 x 8,26 x 2 in)
- Weight: 1450 g (battery pack included) (3,1 lb)

Spirometry parameters:
FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85, Lung Age, Extrapolated Volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/FVC, FEV3, FEV3/FVC, FEV6, FEV1/FEV6, FEV1/PEF, FEV1/FEV0.5, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV (measured), MVV (calculated).

Spirolab[®] - Oximetry (optional) - Technical specifications

- SpO₂ range: 0-99%
- SpO₂ accuracy: $\pm 2\%$ between 70-99% SpO₂
- Pulse Rate range: 18-300 BPM
- Pulse Rate accuracy: ± 2 BPM or 2% whichever is greater
- Memory capacity: up to 500 hours oximetry

Oximetry parameters (optional):
%SpO₂ and Pulse Rate (Min, Max, Average), Test duration, Total SpO₂ Events, T90% (SpO₂ time $\leq 89\%$), T89% (SpO₂ time $\leq 88\%$), T40 (Bradycardia duration with Pulse Rate < 40 BPM), T120 (Tachycardia duration with Pulse Rate > 120 BPM)

ROXON

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