



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

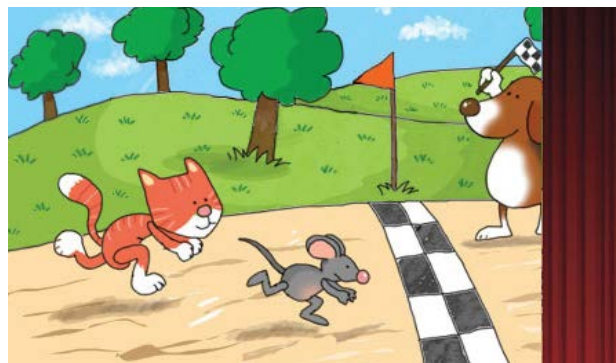
for modern professionals

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

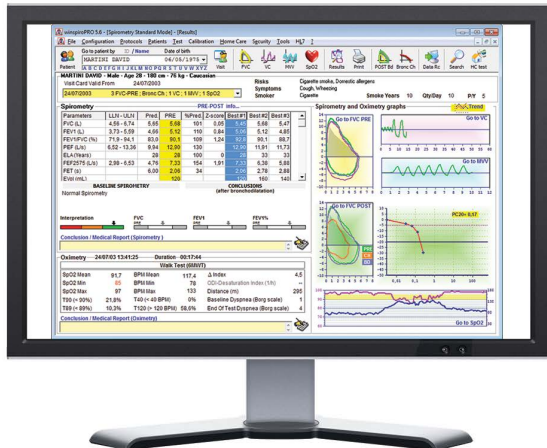
Always included:

Winspiro PRO®

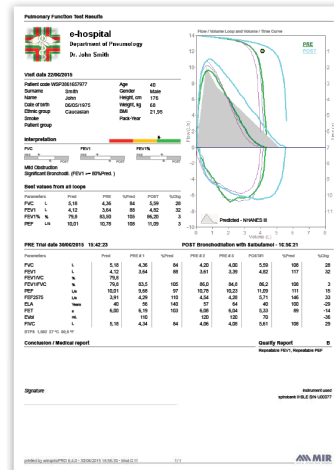
High performance PC software for spirometry and oximetry

- 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:** ±16L/s
- **Volume accuracy:** ±3% or 50mL
- **Flow accuracy:** ±5% or 200mL/s
- **Dynamic resistance:** <0.5 cmH₂O/L/s
- **Connectivity:** USB 2.0, Bluetooth® 2.1
- **Display:** 7inch colour touch screen LCD, 800x480 resolution
- **Mouthpieces:** Ø 30 mm (1.18 inch)
- **Dimensions:** 220 x 210 x 51 mm (8,66 x 8,26 x 2in)
- **Weight:** 1450 g (battery pack included) (3,1lb)

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:** ± 2% between 70-99% SpO₂
- **Pulse Rate range:** 18-300 BPM
- **Pulse Rate accuracy:** ± 2BPM 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 ≤89%), T89% (SpO₂ time ≤88%), T40 (Bradycardia duration with Pulse Rate <40 BPM), T120 (Tachycardia duration with Pulse Rate >120 BPM)



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