



Spirolab[®]

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



Established 1922

Medical and Surgical Requisites Pty Ltd

Call within Brisbane 07 3859 2900
Phone 1300medsurg (1300 633 787)

33 Fulcrum Street Richlands Queensland 4077
Email medical@medsurg.com.au

www.medsurg.com.au
Fax 07 3859 2995



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

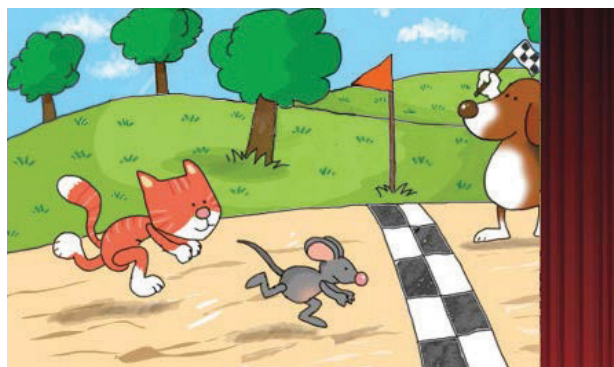
for modern professionals

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.



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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

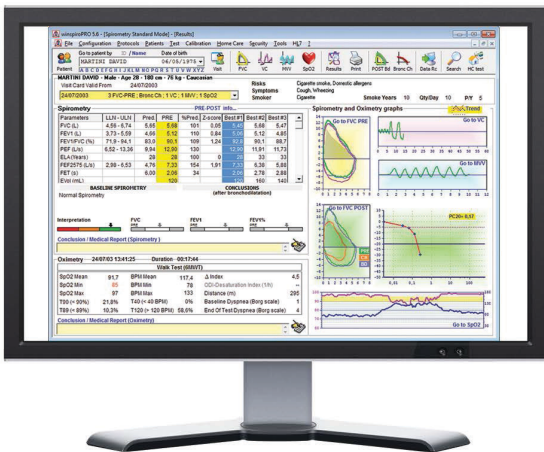
Always included:

Winspiro PRO®

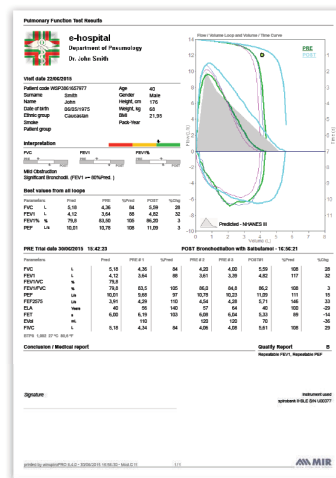
High performance PC software for spirometry and oximetry

- Free software upgrades
- Network Version available

Carrying Case



Summary of all tests carried out



Printout: Spirometry report



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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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