Spirolab

Portable spirometer

Spirolab is a portable desktop spirometer that has an integral printer, internal memory and PC connectivity. The **Spirolab** is designed to be used for both mobile and static spirometry testing.

Fast and intuitive

Incorporating a colour touch screen display and icon driven menu, the **Spirolab** can be used as a desktop or a PC based spirometer with the supplied spirometry PC database application to fulfil all test requirements. **Spirolab** can offer a potential reduction in clinic test times.

Functionality

A complete range of test parameters can be precisely measured, automatically interpreted with all associated quality control indicators displayed for review.

Automatic BTPS conversion together with an internal memory capacity of up to 5000 and a wide range of prediction values make for fast accurate standardised results that are automatically recorded for future review.

Portability

The **Spirolab** can be battery and mains powered, and is supplied with a custom designed carry case for mobile requirements.

- Desktop spirometer
- PC based or stand-alone usage
- Automatic prediction display and LLN calculations
- Large colour display
- Automatic interpretation
- Integral printer and database
- Supplied with carry case and PC database software

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Technical specifications

Spirometer

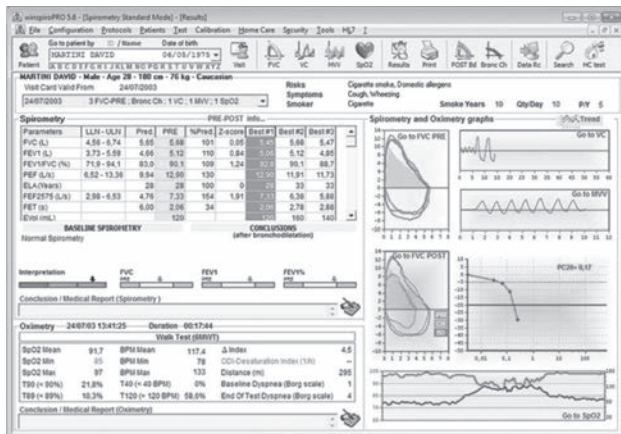|	
Measured parameters:	FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25–75, FEF75–85, Lung Age, ExtrapolatedVolume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/FVC, FEV3, FEV3/FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/FEV0.5, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV (measured), MVV (calculated).
Flow sensor:	Bi-directional digital turbine
Flow range:	±16L/s
Volume accuracy:	±3% or 50mL, whichever is greater
Flow accuracy:	±5% or 200mL/s, whichever is greater
Dynamic resistance:	<0.5cmH2O/L/s (at 12L/s)
Temperature sensor:	Semiconductor (0-45°C)
Display:	7 inch colour touch screen LCD display
Resolution:	800 x 480
Power:	Rechargeable battery NiMH 7.2V battery pack (6 batteries, 1.2V each) 4000mAh and mains charger AC/DC 12W-N1EFM
Dimensions:	220 x 210 x 51 mm
Weight: central unit:	1600g (with battery installed)
PC connectivity:	USB 2.0, Bluetooth 2.1

Supplied accessories

- Custom designed carry case
- Winspiropro PC spirometry database software
- Mains charger

Optional accessories

- 3L calibration syringe
- Disposable turbine/mouthpieces
- Disposable one way mouthpieces
- Winspiropro.net network PC spirometry database software
- Thermal printer paper rolls

WinspiroPRO software

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