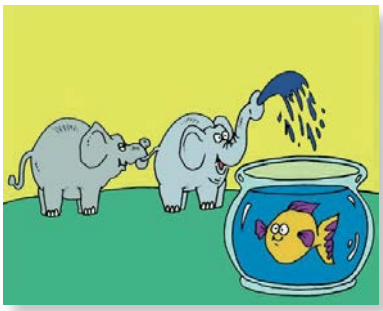
Minispir 2 USB Spirometer

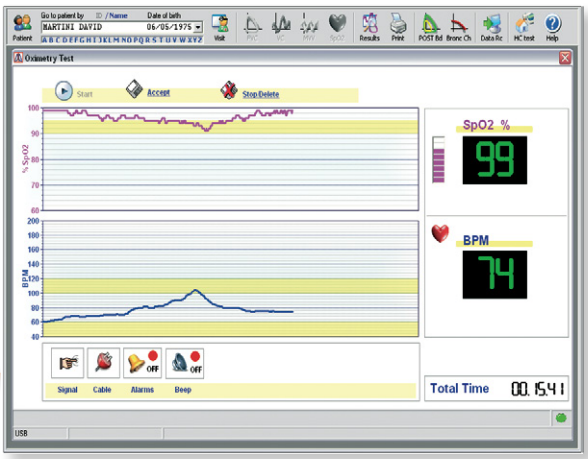
Minispir ®
mini-laboratory
for spirometry and oximetry

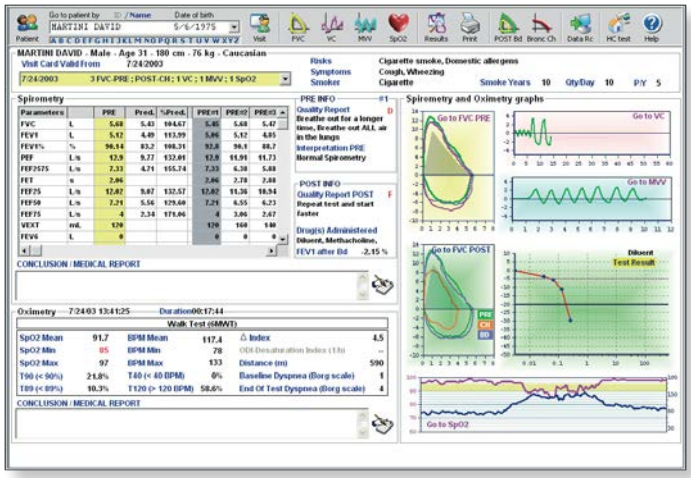




Pediatric Incentive Animations

WinspiroPRO ®
high performance
PC software





Plugs directly into the USB port.
Real time Flow/Volume loop and Volume/time curve with PRE/POST comparison.
Advanced spirometry test interpretation.
Pediatric incentive animations.
Estimated Lung Age (ELA).

Bronchial provocation test including new **Mannitol** protocol with FEV1 response curve.
Temperature sensor for BTPS conversion.

Option available: Oximeter module
(it can be purchased separately)

WinspiroPRO ® is a unique spirometry and oximetry software, which comes standard with **Minispir ®**

All patient records are shown on simple, single-screen patient cards with dynamic management of all data and graphs.

WinspiroPRO ® can easily be connected to a hospital database or EMR and occupational health system. **(HL7 interface)**

Supports NHANES III standard.
Network Version available on request

COPD & Asthma screening has never been so intuitive & inexpensive
Ideal for intergrated custom applications

Minispir® Spirometer

Technical specifications

Temperature sensor: semiconductor (0-45°C)
Flow sensor: bi-directional digital turbine
Flow range: ± 16 L/s
Volume accuracy: ± 3% or 50 mL
Flow accuracy: ± 5% or 200 mL/s
Dynamic resistance at 12 L/s: <0.5 cmH2O/L/s
Communication port: USB
Power Supply: line powered from USB port
Dimension: 142x49.7x26 mm
Weight: 65 grammi



Measured parameters

FVC, FEV1, FEV1%, FEV3, FEV3%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, Età polmonare, FIVC, FIV1, FIV1%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV

Minispir® Spirometer with SpO2 option

Technical specifications

Misura SpO_2: 0-99%
Accuratezza SpO_2: ± 2% tra 70-99% SpO_2
Misura Frequenza Polso: 30-300 BPM
Accuratezza frequenza polso: ± 2 BPM o 2%



Measured parameters

SpO_2 [Baseline, Min, Max, Mean],
Pulse Rate [Baseline, Min, Max, Mean],
T90 [SpO2<90%], T89 [SpO2<89%], T88 [SpO2<88%],
T5 [ΔSpO2>5%], Δ Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia]

MIR Turbine Flowmeters (comply with ATS/ERS standards)





FlowMIR: disposable turbine

Spirometry testing requires maximum accuracy and hygiene.
FlowMir is the answer to both requirements. Each turbine is calibrated with a computerized system and it is packaged individually. After patient testing both the turbine and mouthpiece are thrown away. Only in this way 100% hygiene can be guaranteed.

Option available: reusable turbine

The accuracy and the precision of the reusable turbine remains unchanged even over time.



SSS AUSTRALIA
HEALTHCARE SUPPLIES