MiniSpir

PC based
USB Spirometer with Oximetry option

New option disposable turbine

Fast
Simple
Accurate

PC Software included

The most convenient way to access a mini-laboratory in one small device

- Plugs directly into the USB socket on your PC
- Ideal and easy solution for custom made applications
- No batteries required

SpO2 option

Quality Instruments

CE	FDA	ATS-ERS	ISO	ISO
0476	Registered	Standards	9001-2000	13485

Quality Instruments

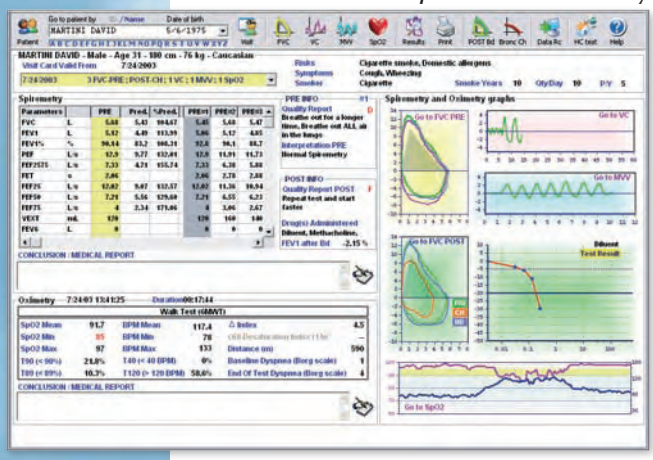
MiniSpir

PC based
USB Spirometer with Oximetry option

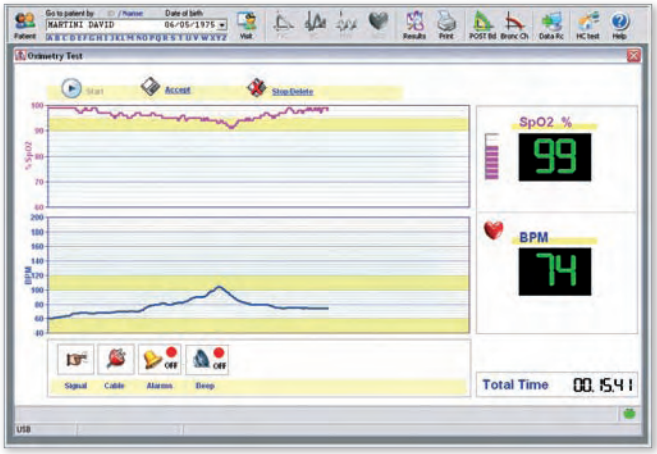
Spirometer
FVC, VC, IVC, MVV, PRE-POST BD
Internal temperature sensor for automatic BTPS conversion
Available with disposable or reusable digital turbine flowmeters

Oximeter
MiniSpir calculates all parameters referred to in peer reviewed scientific literature (ie: min, max, mean SpO2 and Pulse Rate, Delta Index, T90%, T89%, T88%, T5 etc.)

Complete test summary



Online oximetry measurement



winspiroPRO PC - Spirometry program

Used worldwide by over 50,000 physicians

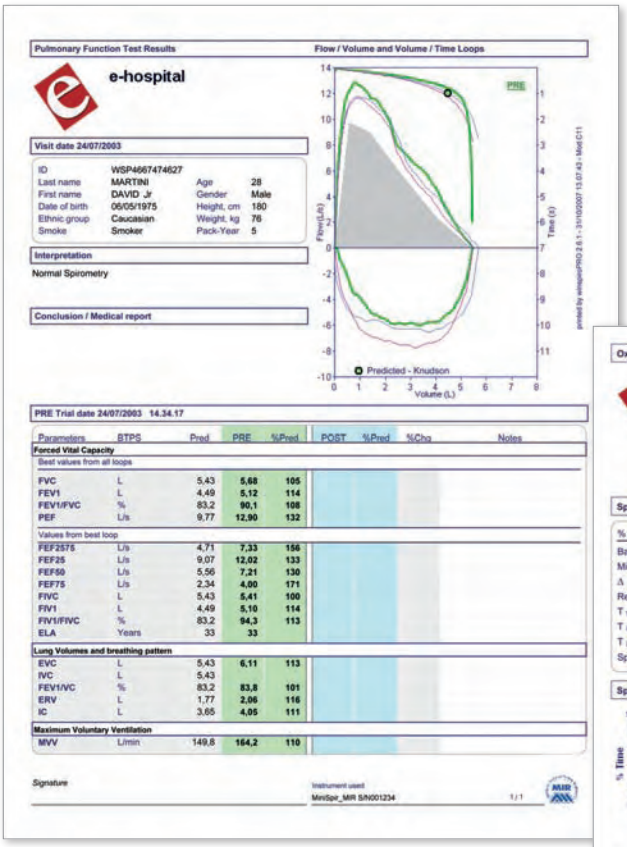
- On line PC connection with icon-based interface
- Real time Flow/Volume and Volume/time curves
- PRE-POST bronchodilator comparison
- Advanced spirometry test interpretation
- Paediatric incentive animations
- Lung age estimation
- Bronchial challenge test with FEV1 dose-response curve
- Several sets of predicted values
- Integration with EMR systems
- Data export also via e-mail

Paediatric incentive animations

winspiroPRO PC - Oximetry program

PC online test with real time SpO2 and Pulse Rate

- Complete SpO2 and Pulse Rate graphic trends
- Statistical analysis for assessing desaturation events
- Flexible reporting with several printouts available



Printout with spirometry report

Printout with oximetry report

Two different flowmeters available

FlowMir disposable turbine for single patient use

- High accuracy
- Easy to replace
- Very low cost
- Designed for use with MIR spirometers
- FlowMIR is factory calibrated
- Available in box of 100 pieces
- No maintenance – No filter – No problem
- Hygiene 100% guaranteed by single packaging

World's First International Patent Pending

Reusable turbine for long term operation

- High accuracy
- Long term stability
- Easy to clean or sterilize

MIR digital reusable and disposable turbines are developed in full compliance with ATS standards and guarantee accuracy in all environmental conditions

MiniSpir

PC based
USB Spirometer with Oximetry option

Standard price includes
- **MiniSpir** base unit
- USB cable
- Carrying bag
- winspiroPRO software CD

Available options
- Digital Oximeter module
- Adult reusable SpO2 finger probe
- Paediatric reusable SpO2 finger probe
- Finger probe extention cable

MiniSpir spirometer

Technical specification

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: 52x128x26 mm
Weight: 70 grams

Measured parameters

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

winspiroPRO
PC system requirements

Microsoft Windows:
Vista, 2000, XP, Me,
98 (Second Edition)
Screen res.: 1024 x 768
Hard disk space: 160MB
USB socket available

Option: Digital oximeter

Technical specification

SpO2 range: 0-99%
SpO2 accuracy: ± 2% between 70-99% SpO2
Pulse Rate range: 30-254 BPM
Pulse Rate accuracy: ± 2 BPM or 2%

Measured parameters

SpO2 [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]

Adult reusable finger probe

Paediatric reusable finger probe

www.spirometry.com

Medical Device Depot Inc.
www.medicaldevicedepot.com
1-877-646-3300

MiniSpir