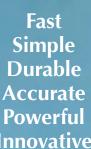


**Fast Simple Durable Accurate Powerful Innovative** 





Remote diagnosis via web also with **Bluetooth®** connection





**Standard** 

Approved

9001-2000

13485



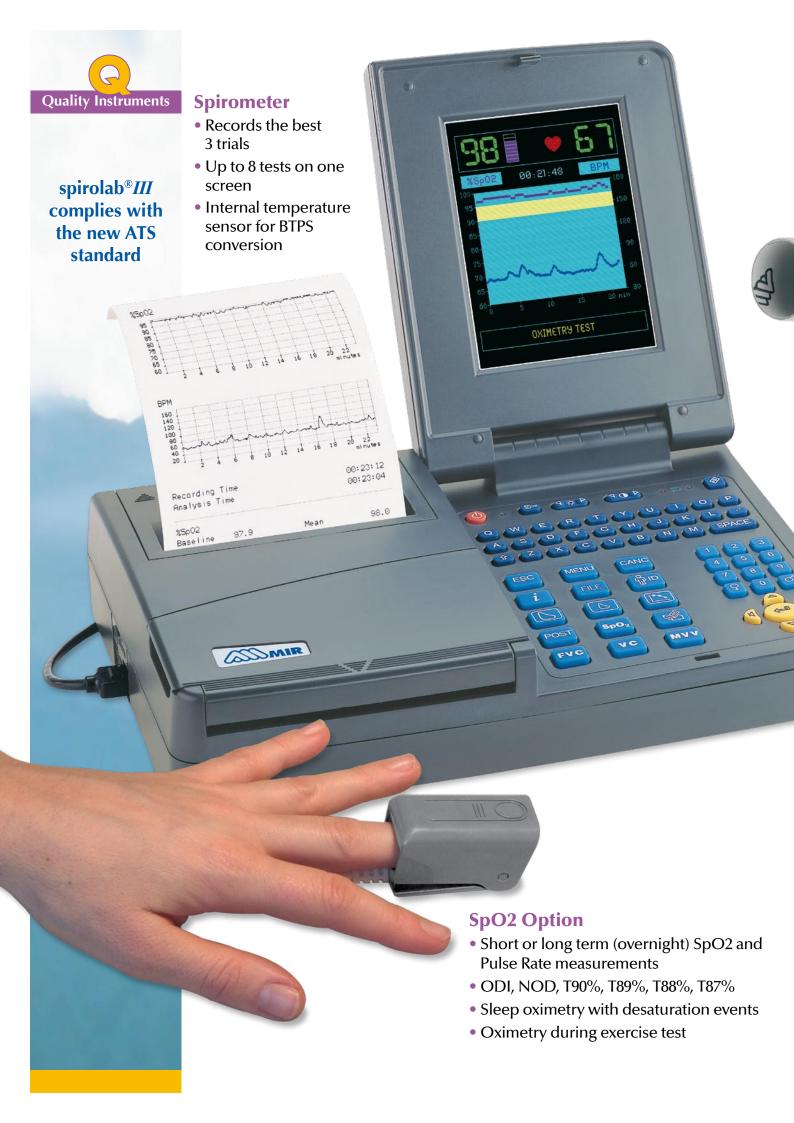
- Spirometer with 6,000 test memory
- Oximeter with 1,000 hours of recording
- Available with disposable or reusable turbine flowmeter















diagnostic spirometer with oximetry option

FVC, VC with breathing pattern plus MVV tests with real time curves

- High resolution color screen
- Fast and silent thermal printer
- Digital turbine flowmeter with guaranteed accuracy in all environmental condition
- PRE-POST bronchodilator comparison
- Selectable language and predicted values
- Connectivity: USB, Bluetooth® and RS232

Standard device includes: spirolab®III winspiroPRO CD Carrying case



# Two different flowmeters available

# FlowMir disposable turbine for single patient use

High accuracy

MiniFlowmeter

- Easy to replace
- Cost Effective
- Individually tested and calibrated
- Available in box of 100 pieces
- No maintenance No filter No problem
- Hygiene 100% guaranteed by single packaging



# Reusable turbine for long term operation

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

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



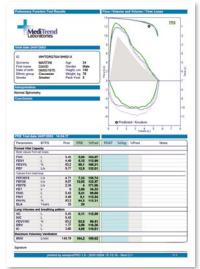
# **MIR Exclusive Patent**



Screen shot



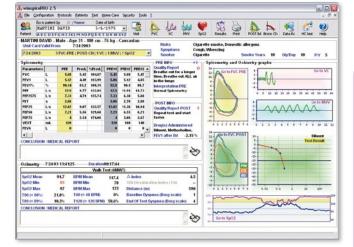






Printout with spirometry report

# with complete test summary



### winspiroPRO PC Software

- Online PC connection with icon interface
- Real time Flow/Volume loop and Volume/time curves
- Bronchial challenge with FEV1 dose-response
- Integration with Electronic Medical Record
- Pediatric incentive animations
- Lung age estimation
- Data and graphs export also via e-mail

### Available options

- PC Software winspiroPRO NET (network)
- Adult reusable SpO2 finger probe
- Adult disposable SpO2 finger probe
- Pediatric reusable SpO2 finger probe
- Infant disposable SpO2 probe
- Neonatal disposable SpO2 probe
- Ear clip SpO2 probe
- SpO2 finger probe extension cable

## spirolab® III Spirometer

### **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, Bluetooth®, RS232 Display: FSTN graphic, 320 × 240 pixel

Printer/paper: Thermal, 4.4 inch (112 mm) width

Mouthpieces: Ø 1.18 inch (30 mm)

Dimensions: 12.2×8.1×2.6 inch (310×205×65 mm)

Weight: 4.2 lbs. (1.9 Kg)

#### **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

# SpO2 Option

## **Technical specifications**

SpO2 range: 0-99%

SpO2 accuracy: ± 2% between 70-99% SpO2

Pulse Rate range: 30-254 BPM Pulse Rate accuracy: ± 2BPM or 2%

### winspiroPRO PC Software

SpO2 and Pulse Rate graphic trend

Flexible reporting with several printout categories

Statistical analysis of desaturation events

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