MEDICAL INTERNATIONAL RESEARCH

MIR

spirolab® III

diagnostic spirometer with oximetry option

New! 3rd generation

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

Fast
Simple
Durable
Accurate
Powerful
Innovative

Telemedicine option

SpO2 option

Remote diagnosis via web also with Bluetooth® connection

PC software included

Quality Instruments

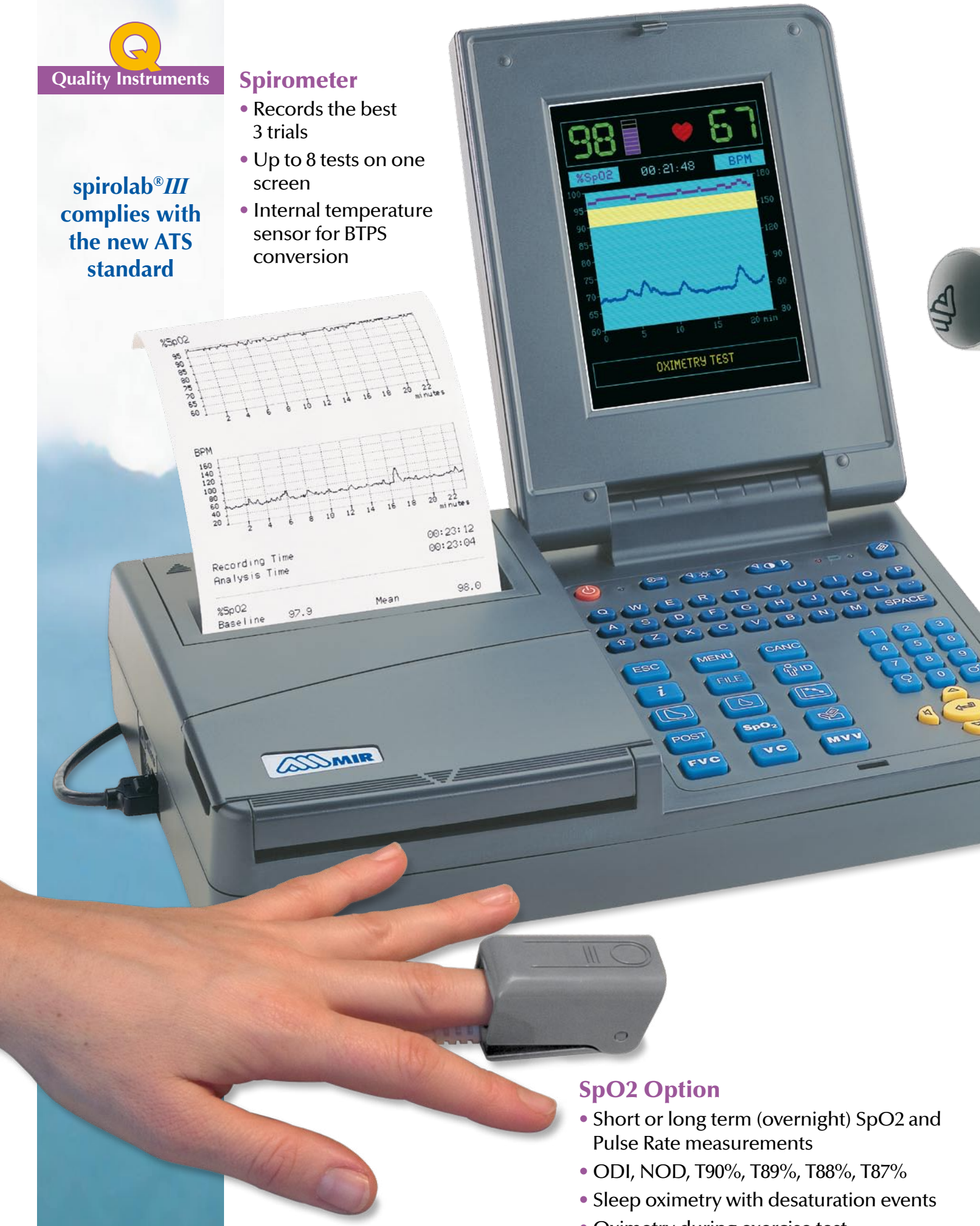
CE	FDA	ATS-ERS	ISO	ISO
0476	Approved	Standards	9001-2000	13485

Quality Instruments

spirolab®*III* complies with the new ATS standard

Spirometer

- Records the best 3 trials
- Up to 8 tests on one screen
- Internal temperature sensor for BTPS conversion



SpO2 Option

- Short or long term (overnight) SpO2 and Pulse Rate measurements
- ODI, NOD, T90%, T89%, T88%, T87%
- Sleep oximetry with desaturation events
- Oximetry during exercise test

New!

Exclusive pediatric incentive system

spirolab® III

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 enviromental 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
- 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

World's First
International Patent Pending

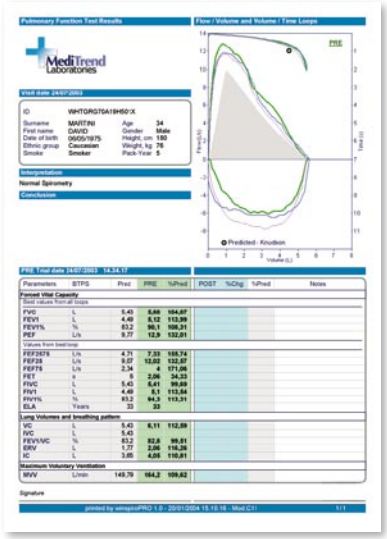
Reusable turbine for long term operation

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

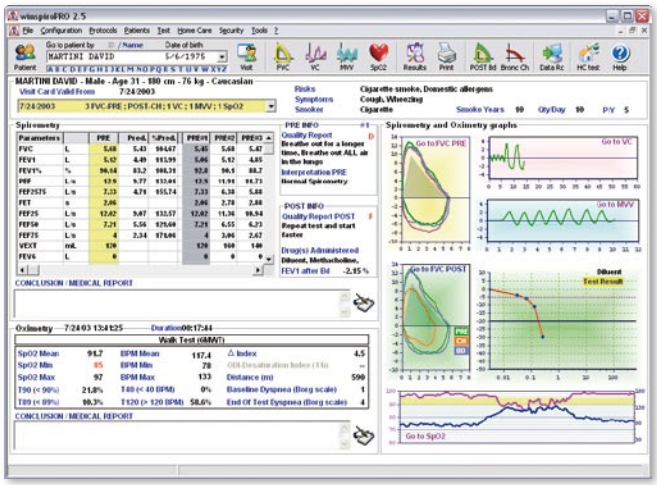
MIR digital reusable and disposable turbines are developed in full compliance with ATS standards and guarantee accuracy in all environmental conditions

Sample oximetry printout Exercise Test. Other examples available

Screen shot with complete test summary



Printout with spirometry report



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

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**

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

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

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