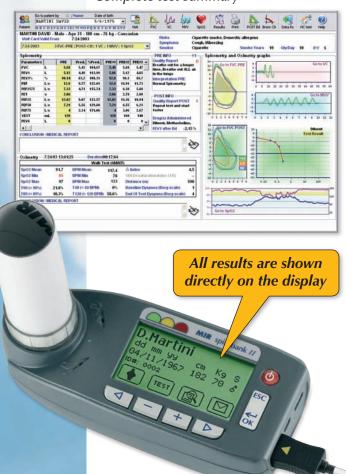
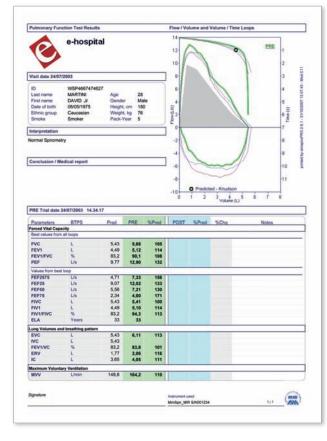


Complete test summary

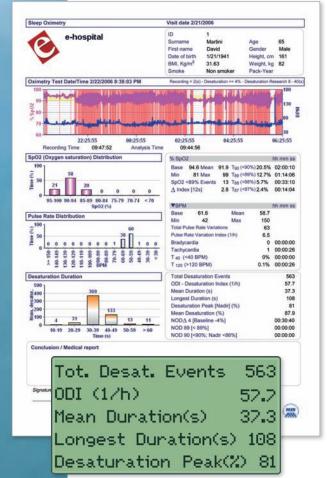


Sleep oximetry

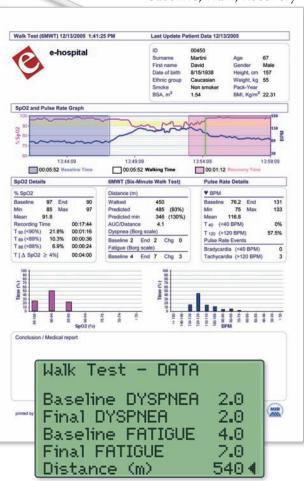
printout with desaturation analysis



Three phase printout of 6 Minute Walk Test:
Baseline, Walk, Recovery



Parameters of sleep desaturation



"Extra-oximetry" data for 6 Minute Walk Test

Spirobank II Defines what a Pulmonary Mini-Lab can do



The most powerful, the most simple

Spirometry features

FVC, VC, IVC, MVV, PRE-POST BD Automatically records the best 3 trials Internal temperature sensor for automatic BTPS Advanced spirometry test interpretation Lung age estimation

Option: SpO2 module

Sleep disorder detection with events recording Six minute walk test with automatic alarm for rest, walk and recovery Parameters directly shown on the display (min, max, mean SpO2 and Pulse Rate, Δ Index, T90, T89, T88, T5, ODI, NOD, Desaturation Area etc.) Its innovative functions make it the most unique oximeter on the market

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

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



World's First International Patent Pending



www.spirometry.com

winspiroPRO PC software

Spirometry program

- Flow/Volume and Volume/time curves
- PRE-POST bronchodilator comparison
- FEV1 dose-response curve
- Exclusive paediatric incentive system
- Advanced spirometry test interpretation
- Several sets of predicted values
- Integration with Electronic Medical Record
- Data and graphs export also via e-mail

Oximetry program

- PC online with SpO2 and Pulse Rate trend
- Desaturation events analysis
- Possibility to modify the registered data (start/end walk test phase, artefacts, etc.)
- One of the most distinctive elements of the **spirobank** *II* is the "specialised and detailed" printout in colour, which is easy to read and facilitates the diagnostic interpretation

spirobank II base unit

Technical specifications

Temperature sensor: semiconductor (0-45°C) Flow sensor: bi-directional digital turbine

Volume range: 10 L 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

Display type: graphic LCD - FSTN Display resolution: 128×64 pixel Keyboard: membrane, 6 Keys

Connectivity: USB, Bluetooth®, RS 232, wireless internal modem (for Telemedicine

applications)

Power Supply: 4×1.5 V, AAA battery

Dimension: 60×145×30 mm

Weight: 180 grams (with batteries)

Measured parameters

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

Best values: FVC, FEV1, PEF

Digital Oximeter option

Technical specifications

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

Basic: SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean], T90 [SpO2<90%], T89 [SpO2<89%], T88 [SpO2<88%], T5 [Δ SpO2>5%], Δ Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia] 6 Minute Walk Test: T∆2 [SpO2≥2%], TΔ4 [ΔSpO2≥4%], Recording time, Time [Rest, Walking, Recovery], Walked Distance,

Predicted Distance [Min, Standard],

Desaturation Area/Distance,

Borg Dyspnea [Baseline, End, Change], Borg Fatigue [Baseline, End, Change]

Sleep Test: Desaturatin Events, Desaturation Index (ODI), Desaturation [Value, Duration, Nadir], ΔSpO2 [Min Drop, Max Drop], Pulse Variations, Pulse Rate Index,

NOD 89 [SpO2<89%; >5 min],

NOD 4 [SpO2 Baseline-4%; >5 min],

NOD 90 [SpO2<90%; Nadir <86%; >5 min]

Standard price includes

- spirobank II base unit
- USB cable
- Carrying case
- Plastic noseclip
- 4 AAA alkaline batteries
- winspiroPRO software CD

Available options

- Adult reusable SpO2 finger probe
- Adult disposable SpO2 finger probe
- Paediatric reusable SpO2 finger probe
- Neonatal reusable SpO2 probe
- Neonatal disposable SpO₂ probe
- SpO2 extension cable
- RS232 cable for PC

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