MIR
MEDICAL INTERNATIONAL RESEARCH

New Minispir® Line

USB Spirometers

COPD and Asthma screening has never been so intuitive and inexpensive

Ideal for integrated custom applications

Minispir® for complete respiratory analysis

Minispir® *Light* for essential spirometry testing

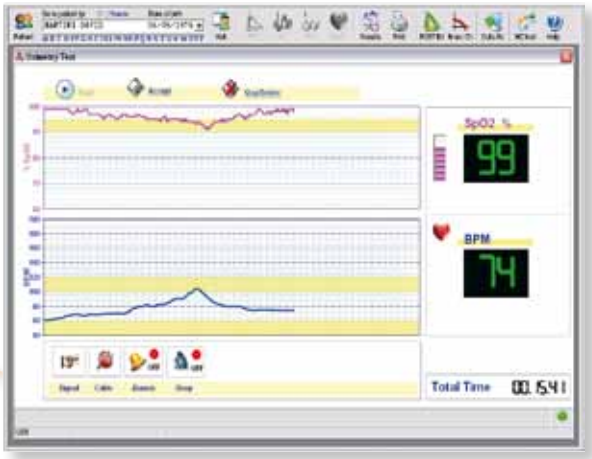
Minispir ®

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

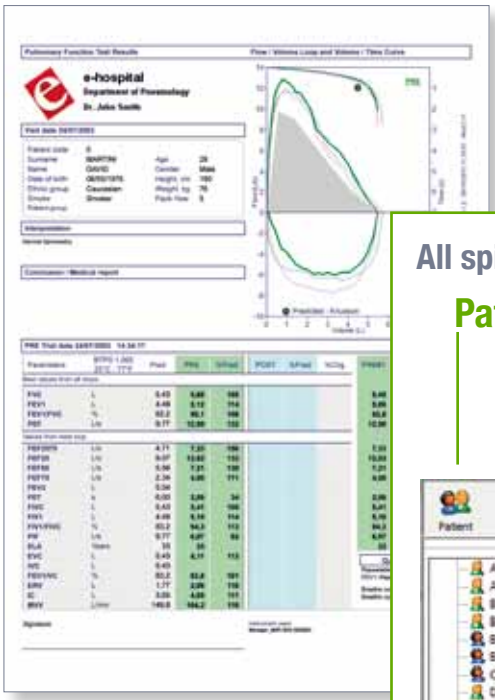
www.oximetry.com

Minispir® *light*

COPD and Asthma
intuitive screener

Winspiro® *light*

simplified spirometry
PC Software

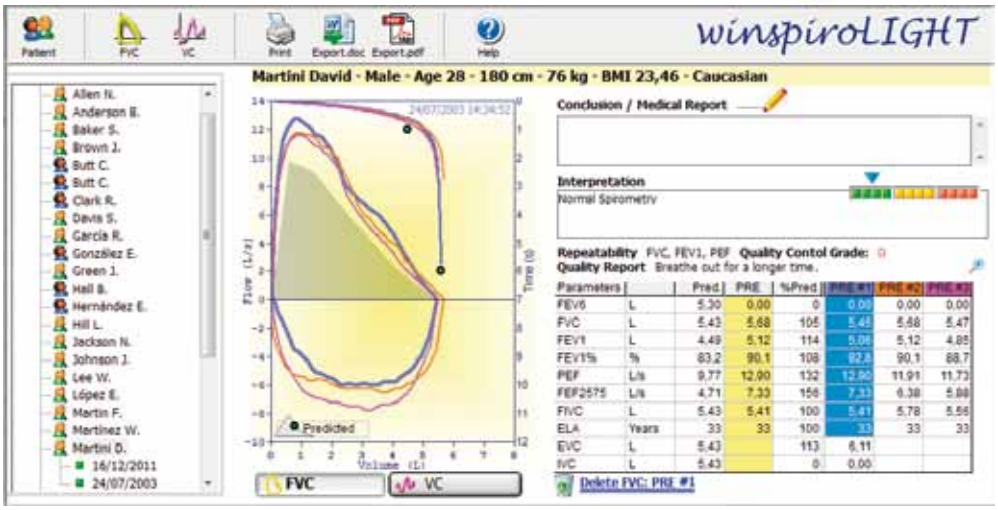


All spirometry functions in one screenshot

Patient Data

Spirometry Test

Print and Export



Minispir® *light* measures the essential parameters for a diagnostic spirometry:
FEV6, FVC, FEV1, FEV1%, PEF, FEF2575, FIVC, Lung Age, VC, IVC.
Flow/Volume loop and Volume/Time curve.
Spirometry test interpretation.

Temperature sensor for BTPS conversion.
Inexpensive and easy to use, Minispir ® light meets the requirements of integrated healthcare platforms and tablet applications.

Special edition available for POST BD test

Winspiro® *light* is an intuitive and efficient software, which comes standard with **Minispir® *light*** for complete diagnosis.

Data export
also via Email

Pediatric Incentive Animations

www.spirometry.com

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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 gram (2.5 Oz)

Measured parameters

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

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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 gram (2.5 Oz)

Measured parameters

FVC, FEV1, FEV1%, FEV6, PEF, FEF25-75%, FIVC, Lung Age, VC, IVC

Minispir® Spirometer with SpO2 option

Technical specifications

SpO_2 range: 0-99%
SpO_2 accuracy: ± 2% tra 70-99% SpO_2
Pulse Rate range: 30-300 BPM
Pulse Rate accuracy: ± 2 BPM or 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]

FlowMir® disposable turbine
Complies with ATS/ERS standards

Spirometry testing requires maximum accuracy and hygiene.

FlowMir® is the answer to both requirements.

Each turbine is factory calibrated with a computerized system and packaged individually.

After patient testing both the turbine and mouthpiece are discarded.

The only solution to guarantee 100% cross contamination free testing!

emech medical

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