

ADVANCED

SPIROBANK II SMARTTM

Handheld, Stand-alone, Tablet-
Based and PC-Based Spirometer,
with Oximetry option

A versatile Spirometer and Oximeter, with
Tablet (iPad and Android) and PC
connection.



MAIN features



REAL-TIME TEST

Spirometry: FVC, VC, IVC, MVV, PRE/POST
Bronchodilator comparison
Oximetry (optional): Spot test (SpO2, BPM)



PC AND TABLET CONNECTION

Real time test on Tablet (via Bluetooth 4.0) and PC (via USB), connect with your EHR/EMR, back-up internal memory and more



CARRY EVERYWHERE

High resolution backlight display, long battery life, large internal storage, carrying case included



COMPLIANCE ATS/ERS 2019

And other Standards including ISO 26782 (for Spirometry), ISO 23747 (for PEF), ISO 80601-2-61 (for Oximetry), and more. CE0476, FDA 510 (k)



DISTINCTIVE features



PREDICTED SETS & VALUES

Large Selection, including comparison %Pred, Z-score and LLN. Include GLI on App and PC



INTUITIVE APP FOR TABLET

Including Virtual Assistant, data transfer via HL7, Calibration check and more



EHR/EMR CONNECTIVITY

Via PC, integration with patient database (HL7, GDT)
Via Tablet, automatic share to Remote Server



COVID-19 PREVENTION

Complete Disposable Set with Antiviral filter. Bluetooth connection to test at safety distance

GO-TO-MARKET TOOLKIT

Software Development Kit available for System Integrators and App Developers.
OEM service available for Spirometry and Oximetry



Learn more about available SDK and OEM



Always INCLUDED

- Carrying case
- USB cable
- Noseclip
- PC Software license
- With Oximetry Option:
 - Finger Probe

Compatible SOFTWARE

MIR Spiro App



REAL TIME TEST

Spirometry: FVC Pre, FVC Post, VC, Oximetry: SpO2 (%), Pulse (BPM)

Spirometry parameters: FVC, FEV1, FEV1%, PEF, FEF25-75, FET, Lung Age, VC, IVC

Pediatric Incentive (PATENTED)

Calibration (on iOS) with personalized printed report.

FEATURES

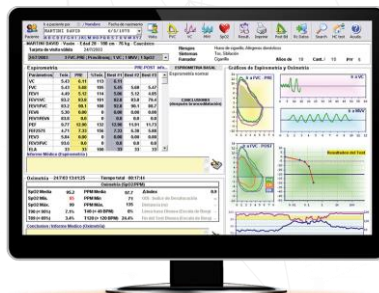
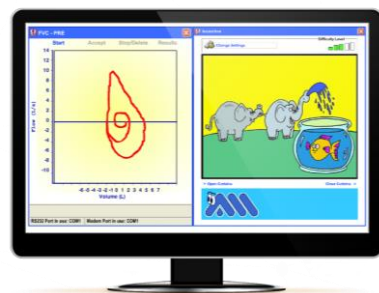
Predicted Sets include GLI, Predicted Values include Z-score and LLN

EHR/EMR direct integration via HL7 standards

Virtual Assistant: during and after the spirometry test.

Customizable PDF Medical Report to print and share

winspiroPRO



PC SOFTWARE

Embedded EHR/EMR connectivity (HL7, GDT, more)
NET VERSION available, share one database between different PC workstations

Pediatric Incentive (PATENTED)

Interpretation and Quality Control Grade according to latest Spirometry Standards

REAL TIME TEST

Spirometry: FVC-Pre, FVC-Post, VC-Pre, MVV, Bronchoprovocation tests, Bronchial Challenge

Oximetry: SpO2 (%), Pulse (BPM)

Customizable PDF report

Spiro Connect



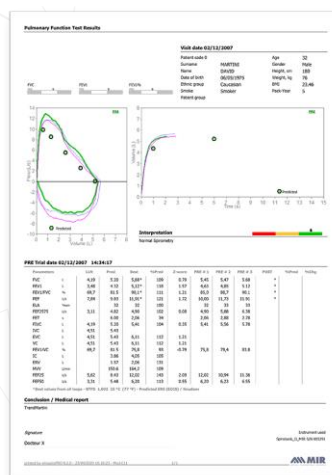
PC SOFTWARE

Direct integration with your EHR/EMR via HL7 or Exchange Protocol.

Spirometry: FVC-Pre, FVC-Post, VC-Pre

Oximetry: SpO2 (%), Pulse (BPM)

Customizable PDF report



Compatible TURBINES

flowMIR™ Disposable Turbine



Mouthpiece

Included Disposable

Turbine Disinfection

Not required

Turbine Calibration

Not required

Packaging

Individually sealed: 60 or 10 units / box

Antiviral Filter

Available Disposable

Reusable Turbine



Required, Not included

Required

Required

1 unit in Carton box

Required Disposable

PLAY VIDEO



SCIENTIFIC PUBLICATIONS



Also available in MORE CONFIGURATIONS



Technical Specification

Spirobank II Smart

Spirobank II Advanced

Spirobank II Basic

TYPE OF SPIROMETER	StandAlone + PC + App, with Oximetry Option	StandAlone + PC, with Oximetry Option	StandAlone + PC
COMPATIBLE TURBINES	flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter	flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter	flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter
COMPATIBLE SOFTWARES	MIR Spiro App, Winspiro PRO, spiro Connect	Winspiro PRO, spiro Connect	Winspiro PRO, spiro Connect
EXTERNAL CONTROL	<p>Real-Time test on Tablet screen and PC screen, connect with your EHR/EMR, back-up internal memory, and much more</p> <p>Connect to your PC via USB (no Bluetooth)</p> <p>Connect to your Tablet via Bluetooth Smart BLE 4.0</p>	<p>Real-Time test on PC screen, connect with your EHR/EMR, back-up internal memory, and much more</p> <p>Connect to your PC via USB and Bluetooth 2.0</p>	<p>Real-Time test on PC screen, connect with your EHR/EMR, back-up internal memory and much more</p> <p>Connect to your PC via USB</p>
EHR CONNECTIVITY	<p>Via PC: integration with patient database on your EHR/EMR (in HL7, GDT)</p> <p>Via APP: transfer data to a remote server in HL7 standards</p>	Via PC, integration with patient database on your EHR/EMR (in HL7, GDT)	Via PC, integration with patient database on your EHR/EMR (in HL7, GDT)
MEASURED PARAMETERS	<p>Spirometry: FVC, VC, IVC, MVV, PRE-POST Bronchodilator comparison Oximetry (optional): Spot test (SpO2, BPM)</p> <p>Spirometry: FVC, FEV1, FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85%, FET, Vext, ELA, EVOL, FIVC, FIV1, PIF, FIV1/FIVC%, FIF25, FIF50, FIF75, R50, PIF, IRV, VC, IVC, IC, ERV, FEV1/VC%, TV, VE, RR, ti, te, ti/t-tot, TV/ti, MVV</p> <p>Oximetry (Optional): SpO2% (min, max, average), BPM (min, max, average), Test duration, % Bradycardia Duration (<40 BPM), % Tachycardia Duration (>120 BPM), % of Time with SpO2 ≤ 90% (T90%, T89%)</p> <p>on MIR Spiro App: Spirometry: FVC, VC, PRE/POST Bronchodilator comparison Parameters: FVC, FEV1, FEV1%, PEF, FEF25-75, FET, Lung Age, VC, IVC. Oximetry (Optional): %SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean] Events.</p>	<p>Spirometry: FVC, VC, IVC, MVV, PRE-POST Bronchodilator comparison Oximetry (optional): Spot test (SpO2, BPM)</p> <p>Spirometry: FVC, FEV1, FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FEF75-85%, FET, Vext, ELA, EVOL, FIVC, FIV1, PIF, FIV1/FIVC%, FIF25%, FIF50%, FIF75%, R50, PIF, IRV, VC, IVC, IC, ERV, FEV1/VC%, TV, VE, RR, ti, te, ti/t-tot, TV/ti, MVV</p> <p>Oximetry (Optional): SpO2% (min, max, average), BPM (min, max, average), Test duration, % Bradycardia Duration (<40 BPM), % Tachycardia Duration (>120 BPM), % of Time with SpO2 ≤ 90% (T90%, T89%)</p>	<p>Spirometry: FVC, VC, IVC, PRE/POST Bronchodilator comparison</p> <p>Spirometry: FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA</p>

[COMPARE ON WEBSITE](#)

