

LIGHT

SPIROBANK II BASICTM

Handheld, Stand-alone and
PC-based Spirometer

Easy-to-use, ideal for family doctors,
occupational medicine, screening



MAIN features



REAL-TIME TEST

Spirometry: FVC, VC, IVC, MVV, PRE/POST
Bronchodilator comparison



SPIROMETRY PARAMETERS

FVC, FEV1, FEV1%, PEF, FEF25-75, FET, Extrap. Volume, Estimated Lung Age, VC, IVC, IC, ERV



COMPLIANCE ATS/ERS 2019

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



CARRY EVERYWHERE

Internal Storage up to 10.000 Spirometry tests

Long lasting Lithium battery, rechargeable via USB

High resolution backlight display

Carrying case included



PC CONNECTION AVAILABLE

Real-time test on PC screen, connect with your EHR/EMR, back-up internal memory and more, via USB



DISTINCTIVE features



PREDICTED SETS & VALUES

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



EASY TO USE IN PRACTICE

ideal for family doctors, occupational medicine, sport medicine, generic practice



EHR/EMR CONNECTIVITY

Via PC, integration with patient database on your EHR/EMR (in HL7, GDT)



COVID-19 PREVENTION

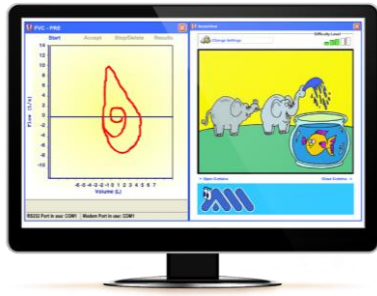
Complete Disposable Set with Antiviral filter available, to reduce risk of cross-contamination

Always INCLUDED

- Carrying case
- USB cable
- Noseclip
- PC Software license

Compatible SOFTWARE

winspiroPRO



Pediatric Incentive (PATENTED) to improve patient compliance during the test.

Acceptability Messages, Test interpretation and Quality Control Grade according to the latest Spirometry Standards

MAIN FEATURES

Windows-based solution for Spirometry, Oximetry and Telemedicine.

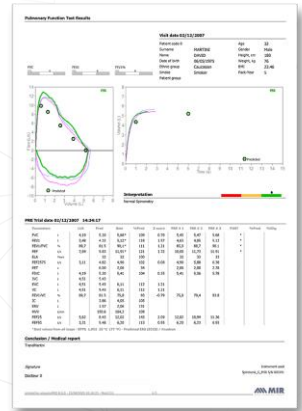
Wide range of predicted sets and values, including GLI Predicted sets, LLN and Z-score.

Embedded EHR/EMR connectivity.

NET VERSION available, share one database between different PC workstations.

MEDICAL REPORT

Specialized and customizable printout



spiro Connect



MAIN FEATURES

Windows-based solution, direct integration with your EHR/EMR.

Real time test include Spirometry and Oximetry Standardized communication in HL7 or Exchange Protocol.

Select patient info directly from your own EHR/EMR

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

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



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

VISIT WEBSITE



SCIENTIFIC PUBLICATIONS



TECHNICAL datasheet

PRODUCT CODES - Spirobank II Basic Configurations

911021E0 - Spirometer

911021E1 - Spirometer with reusable turbine

Technical specification

Width	55 mm
Length	160 mm
Thickness	25 mm
Weight	140 g (battery pack included)

Turbine

Reusable turbine (code 910002)

Disposable turbine (code 910004)

Power supply mAh	Rechargeable Lithium-Ion 3.7V, 1100
Current capacity	1100 mAh
Consumption	~20-30 mA (during test)
Backup battery voltage	none
Batteries charger	voltage=5 V DC, current=minimum 500 mA, input current= 100VAC - 240 VAC Connector : micro USB type B compliant with EN 60601-1

Autonomy	50 hours
Connectivity	USB 2.0
Display	LCD monochrome, 160 × 80 pixel
Keyboard	membrane keyboard with 6 keys
Mouthpieces	Ø 30 mm (1.18 inch)
Type of electrical protection	Internally powered
Safety level for shock hazard	Type BF Apparatus
Conditions of use	Apparatus for continuous use

Conditions of storage	Temperature: MIN -20 °C, MAX + 60 °C
	Humidity: MIN 10% RH; MAX 95%RH

Operating Conditions	Temperature: MIN + 10 °C, MAX + 40 °C
	Humidity: MIN 10% RH, MAX 95%RH

Applied norms	Electrical Safety Standard EN 60601-1 Electro Magnetic Compatibility EN 60601-1-2
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Spirometry

Flow sensor	bi-directional digital turbine
Flow range	±16L/s
Volume accuracy	±2.5% or 50 mL
Flow accuracy	±5% or 200 mL/s
Dynamic resistance	<0.5 cm H ₂ O/L/s
Temperature sensor	semiconductor (0-45°C)
Test available	FVC, VC, IVC, POST
Measured parameters	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA
Memory capacity	Up to 10000 tests

Certificates & Registrations

CE 0476	MED 9826
FDA 510 (k)	K 061712
Health Canada	71191 (class II)
CND code	Z12150102 (spiro)
GMDN code	46906 (spiro)
Ministry of Health	1271099/R (spirometer)

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