LIGHT

SPIROBANK II BASIC®

Handheld, Stand-alone and PC-based Spirometer

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

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MAIN features



REAL-TIME TEST

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

CARRY EVERYWHERE

Internal Storage up to 10.000 Spirometry tests

Long lasting Lithium battery, rechargeable via USB

High resolution backlight display

Carrying case included

SPIROMETRY PARAMETERS

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

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COMPLIANCE ATS/ERS 2019

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

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

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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

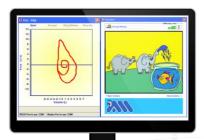
- Carrying case
- ♦ USB cable

📏 Noseclip

PC Software license

Compatible **SOFTWARE**

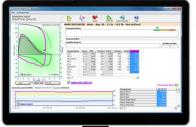
**** winspiroPRO



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

**** spiro Connect





Acceptabilty Messages,

Test interpretation and

Quality Control Grade

according to the latest

Spirometry Standards

MAIN FEATURES

Windows-based solution for Spirometry, Oximetry and Telemedicine.

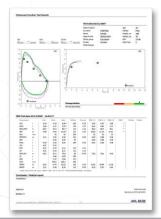
Wide range of predicted sets and values, including **GLI Predicted** sets, LLN and Z-score.

Embedded EHR/EMR connectivity.

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

MEDICAL REPORT

Specialized and customizable printout



MAIN FEATURES

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

Real time test include **Spirometry**

Standardized communication in **HL7 or Exchange Protocol**. Select patient info directly from your own **EHR/EMR**

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

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**

	Mouthpiece	Turbine Disinfection	Turbine Calibration	Packaging	Antiviral Filter
flowMIR ™ Disposable Turbine	Included Disposable	Not required	Not required	Individually sealed: 60 or 10 units / box	Available Disposable
Reusable Turbine	Required, Not Included	Required	Required	1 unit in Carton box	Required Disposable

Also available in **MORE CONFIGURATIONS**







Technical Specification	Spirobank II Basic	Spirobank II Advanced	Spirobank II Smart
TYPE OF SPIROMETER	StandAlone + PC	StandAlone + PC, with Oximetry Option	StandAlone + PC + App, with Oximetry Option
COMPATIBLE TURBINES	flowMIR [™] Disposable Turbine, Reusable Turbine Flowmeter	flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter	flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter
COMPATIBLE SOFTWARES		Winspiro PRO, spiro Connect	MIR Spiro App, Winspiro PRO, spiro Connect
EXTERNAL CONTROL	Real-Time test on PC screen, connect with your EHR/EMR, back-up internal memory and much more Connect to your PC via USB	Real-Time test on PC screen, connect with your EHR/EMR, back-up internal memory, and much more Connect to your PC via USB and Bluetooth 2.0	Real-Time test on Tablet screen and PC screen, connect with your EHR/EMR, back- up internal memory, and much more Connect to your PC via USB (no Bluetooth) Connect to your Tablet via Bluetooth Smart BLE 4.0
EHR CONNECTIVITY	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)	Via PC: integration with patient database on your EHR/EMR (in HL7, GDT) Via APP: transfer data to a remote server in HL7 standards
MEASURED PARAMETERS	Spirometry: FVC, VC, IVC, PRE/POST Bronchodilator comparison Spirometry: FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA	Spirometry: FVC, VC, IVC, MVV, PRE-POST Bronchodilator comparison Oximetry (optional): Spot test (SpO2, BPM) Spirometry: FVC, FEV1, FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV5, FEF25%, FEF55%, FEF55%, 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 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%)	Spirometry: FVC, VC, IVC, MVV, PRE-POST Bronchodilator comparison Oximetry (optional): Spot test (SpO2, BPM) Spirometry: FVC, FEV1, FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV2, FEV2, FEV3, FEV3/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV5, FEF25-F5, FEF75-85%, FET, Vext, ELA, EVOL, FIVC, FIV1, PIF, FIV1/FIVC%, FIF25, FIF25-F5, FEF75-85%, FET, Vext, ELA, EVOL, FIVC, FIV1, PIF, RV, VC, IVC, IC, ERV, FEV1/VC%, TV, VE, RR, tl, tE, tl/t-tot, TV/tl, MVV Oximetry (Optional): SpO2% (min, max, average), BPM (min, max, average), Test duration, % Bradycardia Duration (<40 BPM), % Tachycardia Duration (>120 BPM), % of Time with SpO2 \leq 90% (T90%, T89%) 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] Events.

TECHNICAL datasheet

PRODUCT CODES - Spirobank II Basic Configurations 911021E0 - Spirometer 911021E1 - Spirometer with reusable turbine

Technical specification

Technical specification			Spirometry	
Width Length Thickness Weight Turbine	55 mm 160 mm 25 mm 140 g (battery pac	(code 910002	Flow sensor Flow range Volume accuracy Flow accuracy Dynamic resistance Temperature sensor Test available Measured parameters Memory capacity	bi-directional digital turbine ±16L/s ±2.5% or 50 mL ±5% or 200 mL/s <0.5 cm H2O/L/s semiconductor (0-45°C) FVC, VC, IVC, POST FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA Up to 10000 tests
	Disposable turbin	e (code 910004)	Certificates & Registration ————————————————————————————————————	
Power supply mAh Current capacity Consumption Backup battery voltage Batteries charger	Rechargeable Lithiu 1100 mAh ~20-30 mA (durin none voltage=5 V DC, current=minimum input current= 10 Connector : micro	g test) 1 500 mA, 0VAC - 240 VAC 1 USB type B	EE 0476 FDA 510 (k) Health Canada CND code GMDN code Ministry of Health	MED 9826 K 061712 71191 (class II) Z12150102 (spiro) 46906 (spiro) 1271099/R (spirometer)
Autonomy Connectivity Display Keyboard Mouthpieces Type of electrical protection Safety level for shock hazard Conditions of use	compliant with EN 50 hours USB 2.0 LCD monochrome membrane keybo Ø 30 mm (1.18 ind Internally powere Type BF Apparatu Apparatus for con	r, 160 × 80 pixel ard with 6 keys ch) d s		
Conditions of storage	Temperature:	MIN -20 °C,		
	Humidity:	MAX + 60 °C MIN 10% RH; MAX 95%RH		
Operating Conditions	Temperature: Humidity:	MIN + 10 °C, MAX + 40 °C MIN 10% RH, MAX 95%RH		
Applied norms	Electrical Safety Standard EN 60601-1 Electro Magnetic Compatibility EN 60601-1-2			