MIR

Spirobank II Basic

Portable spirometer
for simplified and accurate spirometry

Supported tests

Spirometry: FVC, VC, MVV, PRE/POST bronchodilator comparison

Key features

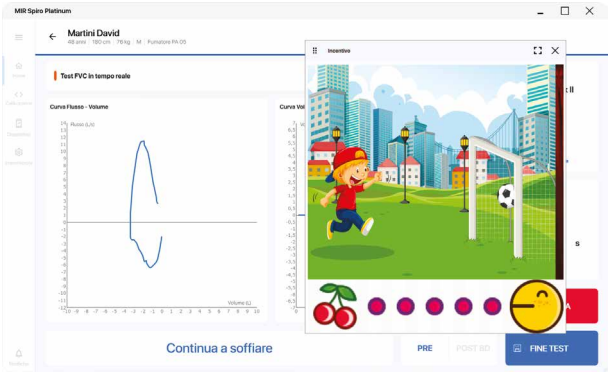
Easy to use for outpatients
Ideal for pediatricians, family doctors, sports doctors, and screening

Display
Intuitive display with easy-to-use buttons

Real-time tests

Real-time tests displayed on the device and PC screen

Pediatric incentive



Available in PC mode using **MIR Spiro** software for better patient collaboration during the test

Integrated temperature sensor

Automatic BTPS Conversion

Predicted values

Wide selection of predicted values including GLI, ERS and others, directly on the device and in PC mode

EMR/EHR connectivity

Integration via **MIR Spiro** software with EMR/EHR (in HL7, GDT, FHIR, EXCHANGE PROTOCOL)

Compatible turbines

		Mouthpiece	Turbine disinfection	Turbine calibration	Packaging	Antiviral filter
FlowMIR® disposable turbine		Disposable included	Not required	Not required	Individually packaged: packs of 60 pieces	Optional
Single patient reusable turbine		Required, not included	Required	Required	Pack of 1 unit	Recommended by ATS

How to use

Spirobank II Basic works in both **Stand Alone** mode and with **PC connection via USB**

MIR Spiro software

- **Comprehensive software for spirometry and oximetry**
- **Designed to be integrated with EMR/EHR**
- **Complies with the latest ATS/ERS guidelines**
- **Available for desktop and laptop use**
- **MacOS and Windows**

All MIR professional devices work with **MIR Spiro** software, **the latest generation software** for spirometry and oximetry.

Platinum Card

To subscribe to a Platinum subscription plan it is necessary to **have the MIR Spiro Platinum Card**.

*provided with all MIR professional devices, available for purchase online (mymir.spirometry.com) or from your trusted MIR distributor

Measured parameters

	From MIR Spiro software via connection to the device	From device in Stand Alone mode
Spirometry	FVC, FEV1, FEV1%, PEF, FEF25-75, FET, VC, IVC, IC, Extr. Vol, ELA ERV, MVV	*FVC, *FEV1, *PEF, FVC, FEV1, FEV1/FVC, PEF, FEF25-75, FET, BEV, VC, IVC, IC, ERV, ELA *Best values

Datasheet

code 911021xx

Size	55 x 160 x 25 mm
Weight	140 g (battery pack included)
Turbine	·Reusable Turbine (code 910002) ·Disposable turbine (code 910004)
Battery pack	Rechargeable lithium-ion 3.7 V, 1100 mAh
Current	1100 mAh
Consumption	~20-30 mA (during testing)
Charge Batteries	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	monochrome LCD, 160 x 80 pixels
Keyboard	6-key membrane
Mouthpiece	Ø 30 mm (1.18 in)
Type of electrical protection	Powered internally
Safety level due to shock hazard	Type BF device
IP protection level	IPX1
Terms of use	Device for continuous use
Storage conditions	Temp: MIN -20°C, MAX+60°C Humidity: MIN 10% RH; MAX 95%RH
Operating conditions	Temp: MIN +10°C, MAX +40°C Humidity: MIN 10% RH, MAX 95%RH

Spirometry	
Sensor	two-way digital turbine
Flow range	±16L/s
Volume accuracy	±2.5% or 50mL
Flow accuracy	±5% or 200 mL/s
Dynamic resistance	<0.5 cm H2O/L/s
Temperature sensor	semiconductor (0-45°C)
Available tests	FVC, VC, IVC, POST
Measured parameters	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA
Memory capacity	more than 10,000 tests
Certificates and registrations	
CE 0476	MDR 2017/745
FDA 510 (k)	K 061712
Health Canada	71191 (Class II)
EMDN Liv.4	Z121501
CND Code	Z12150102 (spiral)
GMDN Code	46906 (spiral)
List no	2494320/R (911021I0) 2494610/R (911021I1)
Applicable regulations	Electrical Safety Standard IEC 60601-1:2005 + Amd1:2012 Electromagnetic compatibility standard EN 60601-1-2:2015 ISO 26782:2009 ISO 23747:2015 ATS/ERS: 2005, 2019 Update

Compliance with guidelines and standards

Spirometry: ATS/ERS 2005 + update 2019;
ISO 23747: 2015; ISO 26782: 2009

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