



# 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 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
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.**

# Measured parameters

	From MIR Spiro software via connection to the device	From device in Stand Alone mode
<b>Spirometry</b>	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

<b>Size</b>	55 x 160 x 25 mm
<b>Weight</b>	140 g (battery pack included)
<b>Turbine</b>	· Reusable Turbine (code 910002) · Disposable turbine (code 910004)
<b>Battery pack</b>	Rechargeable lithium-ion 3.7 V, 1100 mAh
<b>Current</b>	1100 mAh
<b>Consumption</b>	~20-30 mA (during testing)
<b>Charge Batteries</b>	Voltage=5 V DC, Current = minimum 500 mA, Input current = 100VAC - 240 VAC Connector: micro USB type B compliant with EN 60601-1
<b>Autonomy</b>	50 hours
<b>Connectivity</b>	USB 2.0
<b>Display</b>	monochrome LCD, 160 x 80 pixels
<b>Keyboard</b>	6-key membrane
<b>Mouthpiece</b>	Ø 30 mm (1.18 in)
<b>Type of electrical protection</b>	Powered internally
<b>Safety level due to shock hazard</b>	Type BF device
<b>IP protection level</b>	IPX1
<b>Terms of use</b>	Device for continuous use
<b>Storage conditions</b>	Temp: MIN -20°C, MAX+60°C Humidity: MIN 10% RH; MAX 95%RH
<b>Operating conditions</b>	Temp: MIN +10°C, MAX +40°C Humidity: MIN 10% RH, MAX 95%RH

<b>Spirometry</b>	
<b>Sensor</b>	two-way digital turbine
<b>Flow range</b>	±16L/s
<b>Volume accuracy</b>	±2.5% or 50mL
<b>Flow accuracy</b>	±5% or 200 mL/s
<b>Dynamic resistance</b>	<0.5 cm H2O/L/s
<b>Temperature sensor</b>	semiconductor (0-45°C)
<b>Available tests</b>	FVC, VC, IVC, POST
<b>Measured parameters</b>	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA
<b>Memory capacity</b>	more than 10,000 tests
<b>Certificates and registrations</b>	
<b>CE 0476</b>	MDR 2017/745
<b>FDA 510 (k)</b>	K 061712
<b>Health Canada</b>	71191 (Class II)
<b>EMDN Liv.4</b>	Z121501
<b>CND Code</b>	Z12150102 (spiral)
<b>GMDN Code</b>	46906 (spiral)
<b>List no</b>	2494320/R (911021I0) 2494610/R (911021I1)
<b>Applicable regulations</b>	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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