

PC requirements:  
Windows Seven, 8, 10, 11  
MAC iOS operating system 10. 13

## SPIROBANK II SMART - PORTABLE SPIROMETER WITH SPO<sub>2</sub> OPTION

**• 33512 SPIROBANK II SMART + MIR SPIRO BASIC PC SOFTWARE**  
Spirometer with 10,000 tests memory capacity, monochromatic LCD display, 6 keys membrane keypad. Battery power supply (3,7 V-1100 mA lithium) with an autonomy of approx. 50 hours of continuous use, rechargeable with USB port.

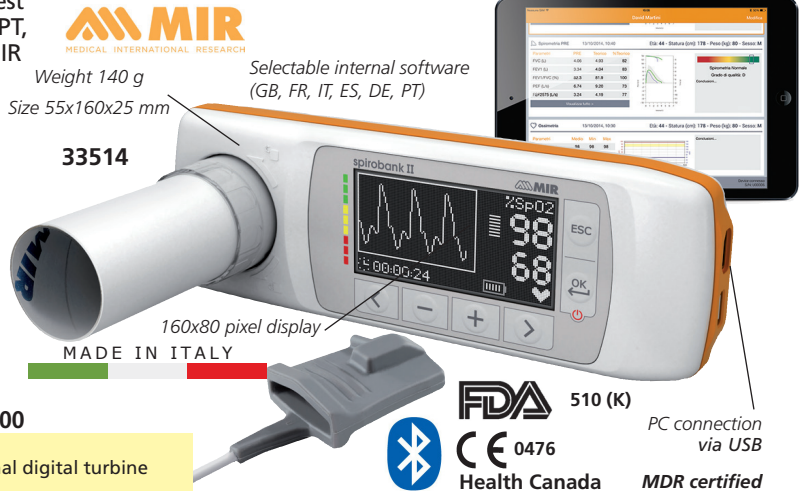
- cable (USB 2.0) or wireless (Bluetooth 4.0) connection
  - internal temperature sensor for automatic BTPS conversion
  - high resolution graphic display
  - automatic record of a whole spirometry session including best test
- Supplied with USB cable, carrying case, manual GB, IT (FR, ES, PT, DE available on [www.gimaitaly.com](http://www.gimaitaly.com)), re-usable turbine and MIR Spiro Basic software.

**• 33514 SPIROBANK II SMART + MIR SPIRO BASIC PC SOFTWARE + OXYMETER**

Same as above with more than 300 hours of oximetric test records (SpO<sub>2</sub> % and pulse frequency tests).  
Measured parameters: min, max and average SpO<sub>2</sub> %, min, max and average pulse frequency, SpO<sub>2</sub> total events, test duration, bradycardia events (<40 BPM), tachycardia events (>120 BPM), T90% (time passed with SpO<sub>2</sub> ≤89%), T89% (time passed with SpO<sub>2</sub> ≤ 88%)

- 33525 ANTIBACTERIAL FILTER - box of 50 disposable
- 33507 DISPOSABLE TURBINE with mouthpiece - box of 60
- 33526 REUSABLE TURBINE - spare
- 33410 MOUTHPIECES int. Ø 2.8 x ext. Ø 3, h 6.5 cm - box of 500

**MIR Spiro Basic PC software functions:** (GB, FR, IT, DE, ES, PT, PL, HU, SE, NL, LV, CZ, RO, TR, RU, CN, JP)  
- on-line PC connection with icon interface  
- real time Flow/Volume and Volume/time curves  
- data and graphs export also via e-mail  
- data export: CSV file or PDF  
Compatible with iPad or tablets  
See details at page 320.



**TECHNICAL SPECIFICATIONS - SPIROMETRY**

Measured parameters 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, Lung Age, EVOL, FIVC, FIV1, PIF, FIV1/FIVC%, FIF25%, FIF50%, FIF75%, R50, PIF, IRV, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV	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 <sub>2</sub> O/L/s Available tests: FVC, VC, IVC, MVV, PRE - POST Connectivity USB 2.0, Bluetooth® 4.0 Power supply Lithium-Ion 3.7V, 1100 mAh
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**TECHNICAL SPECIFICATIONS - OXYMETRY (33514 only)**

Measurement method: red and infrared absorption  
SpO<sub>2</sub> range: 0-99% ±2 % between 70-99% SpO<sub>2</sub>  
Pulse rate range: 30-300 BPM ±2 BPM or 2%  
Signal quality indicator: 0-8 segments on display  
Memory capacity: up to 300 hours oximetry

## SPIROBANK II BASIC

MIR Spiro Basic PC software.  
See specifications page 320



**• 33510 SPIROBANK II BASIC + MIR SPIRO BASIC PC SOFTWARE**  
Complete and rapid pocket spirometer for the General Practitioner to carry out spirometry testing anywhere.  
**No calibration required, use disposable turbine FlowMIR with integrated mouthpiece (33507) or reusable turbine (33526).**

- measures the most important spirometric parameters including: FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, TEST POST BD
  - traffic lights for immediate test interpretation
  - memory up to 10,000 tests
  - rechargeable long life battery (40 hours continuous operation)
  - real time tests via USB
  - selectable display language (GB, IT, ES, FR, DE, PT)
- Supplied with MIR Spiro Basic PC software, USB cable, one disposable turbine and manual GB, IT (FR, ES, PT, DE on [www.gimaitaly.com](http://www.gimaitaly.com)) in a carrying bag.

- 33507 FLOWMIR DISPOSABLE TURBINE with integrated mouthpiece - box of 60 - spare
- 33526 REUSABLE TURBINE - optional
- 33410 MOUTHPIECES int. Ø 2.8 x ext. Ø 3, h 6.5 cm - box of 500

**TECHNICAL SPECIFICATIONS**

Power supply: 3.7 V, 110 mA lithium battery, USB rechargeable	Display: LCD monochrome 160x80 pixel
Keypad: 6-key membrane keyboard	Flow accuracy: ± 5% or 200 ml/s whichever is greater
Flow range: +16 l/s	Volume accuracy: ± 2.5% or 50 ml whichever is greater
Max volume: 10 l	Size - weight: 160x55x25 mm - 140 g
Data transmission: USB 2.0	

## SMART ONE PEAK FLOW-FEV1

- 33681 SMART ONE® - Peak Flow and FEV1
- 33684 SMART ONE® OXI - Peak Flow and FEV1

Ideal for monitoring respiratory illnesses and in self management of Asthma, COPD, lung transplant care, cystic fibrosis and for use in clinical trials.

**Peak flow and FEV1 on smartphone**  
Handheld wireless device connected via Bluetooth to iOS and Android.  
**App with an exclusive incentive for adult and children based on exhaled flow and volume that gives accurate and helpful results.**

**Graphic trend of Peak Flow and FEV1** with option to flag any test session.  
Test results history with Peak Flow, traffic light health indicator, symptoms scoring and notes.

**Turbine flowmeter with plastic mouthpiece**  
For personal use, easy to remove for cleaning.  
Manual in GB, IT (FR, ES, DE, PT, available on [www.gimaitaly.com](http://www.gimaitaly.com))

- 33897 DISPOSABLE MOUTHPIECE - paper - box of 100
- 33900 REUSABLE TURBINE + REUSABLE MOUTHPIECE - plastic - spare



**TECHNICAL SPECIFICATIONS**

Power supply: 2 batteries AAA 1.5 V included	33900
Autonomy: 1,000 tests	
Connectivity: Low energy Bluetooth® 4.0	
Size - weight: 49x109x21 mm - 61 g (with batteries)	
Mouthpieces: Ø 30 mm (1.18 inch)	
<b>Spirometry (only 33684)</b>	
Flow sensor: bi-directional digital turbine	Peak flow accuracy: ±10% or 0.33 L/s
Flow range: ±16 L/s	
Volume accuracy: ±2.5% or 50 ml	
Dynamic resistance: <0.5 cm H <sub>2</sub> O/L/s	
Measured parameters: FEV1, PEF	
Memory capacity: the application on the smartphone memorizes data	
App iOS - Android: GB, FR, IT, ES, PT, DE, NL, CZ, PL, RU, TR, DK, GR, FI, HR, NO, SE, HU**	

\*Only for iOS \*\*Only for Android