



The New Spirobank II®



Thoughtful design and user-friendly technology, making us the new standard in the field of portable spirometry.

www.spirometry.com
www.oximetry.com

The New Spirobank II®

Accurate, powerful,
easy to use.

Works quickly and intuitively with
an *icon-based navigation menu*

High-resolution display, backlit
for use in emergency medicine



FlowMir®
Single-use Turbine

Spirometer


B BASIC

- *Ideal for family doctors, primary care, preventive treatment, doctor's firms and hospitals*
- *Colored lights provide an instant diagnosis. Tests can be analysed directly on the display, even without connecting to a PC*
- *FVC, VC, pre- and post- tests with main parameters enabled (FEV1, FEV1%, PEF, FEF 25-75%, FET, EVOL, IVC, IC, ERC)*
- *Rechargeable, long-life battery (~40 hours)*
- *Estimated lung age (ELA) test to instantly measure the benefits from quitting smoking*
- *Real-time tests via USB*
- *Memory of up to 10,000 tests*

Spirometer with Oximetry option

A ADVANCED



- Portable minilab *for specialists*
- Preconfigured for use *with oximeter unit*
- Real-time tests with *wireless Bluetooth® connection* 
- *Complete spirometry test*, including pre- and post-bronchodilator tests with over 45 parameters measured

Spirometer and Oximeter

A+ ADVANCED PLUS



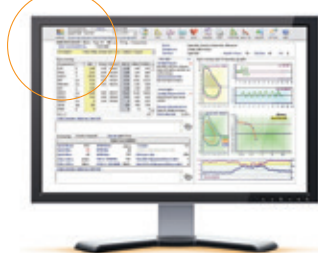
- Quickly and easily measures *SpO2* and *pulse rate* with plethysmographic curve
- *Medical-standard battery charger* with interchangeable international plugs



Single-use Turbine FlowMir®

- Individually tested and packaged
- Pre-calibrated
- Simple and accurate
- Cardboard
- Hygienic
- Economical
- Reliable

Free Software





Software WinspiroPRO®

Included with *Spirobank II® Basic, Advanced and Advanced Plus*. Spirobank II® operates on its own or while attached to a Windows® PC via *USB* or *Bluetooth®* (Advanced versions). All tests recorded in the Spirobank II® can be downloaded onto your PC. WinspiroPRO® can connect to databases, patient files, doctor's office management systems, and occupational medicine software also with HL7 interface.

- *Network Version* available
- Animations for *paediatric incentive*

Technical specifications



Display	blacklit LCD with indicatorlight	blacklit LCD with indicatorlight	blacklit LCD with indicatorlight
Resolution	160x80 pixel	160x80 pixel	160x80 pixel
Power supply	3.7 V, 110 mA lithium battery USB rechargerable	3.7 V, 110 mA lithium battery USB rechargerable	3.7 V, 110 mA lithium battery USB rechargerable
Keypad	6 - key	6 - key	6 - key
Data transmission	USB On-The-Go	USB 2.0 On-The-Go and Bluetooth® 2.1 	USB 2.0 On-The-Go and Bluetooth® 2.1 
Flash memory non volatile	up to 10,000 spirometry tests	up to 10,000 spirometry tests	up to 10,000 spirometry tests
Dimensions device	160x55x25 mm	160x55x25 mm	160x55x25 mm
Device weight (with battery)	140 g	140 g	140 g
Flow measurement	± 16 L/s	± 16 L/s	± 16 L/s
Volume accurately	± 3% o 50 mL	± 3% o 50 mL	± 3% o 50 mL
Flow accurately	± 5% o 200 mL/s	± 5% o 200 mL/s	± 5% o 200 mL/s
Dynamic resistance at 12 L/s	<0.5 cmH2O/L/s	<0.5 cmH2O/L/s	<0.5 cmH2O/L/s
Temperature sensor	semiconductor (0-45°C), autotmic BTPS conversion	semiconductor (0-45°C), autotmic BTPS conversion	semiconductor (0-45°C), autotmic BTPS conversion
SpO2 measurement	-	Optional 0-99%	0-99%
SpO2 accuracy	-	Optional ± 2% between 70-99 %SpO2	± 2% between 70-99 %SpO2
Pulse rate measurement	-	Optional 18-300 BPM	18-300 BPM
Pulse rate accuracy	-	Optional ± 2 BPM o 2% whichever is greater	± 2 BPM o 2% whichever is greater
Configurable alarms ON-OFF	-	Optional SpO2 and pulse rate Min-Max, finger/sensor inserted, dead battery	SpO2 and pulse rate Min-Max, finger/sensor inserted, dead battery
Main spirometry parametrers	FVC, FEV1, FEV1%, PEF, FEF25-75%, FET, EVOL, ELA, VC, IVC, IC, ERV	FVC, FEV1, FEV1%, PEF, FEF25-75%, FET, EVOL, ELA, VC, IVC, IC, ERV	FVC, FEV1, FEV1%, PEF, FEF25-75%, FET, EVOL, ELA, VC, IVC, IC, ERV
Others spirometry parameters	-	FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV0.75,FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3,FEV3/FVC%, FEV6, FEV1/FEV6%, FEF25%,FEF50%, FEF75%, FEF 75-85, FIVC, FIV1,FIV1/FIVC%, FIF25%, FIF50%, FIF75%,R50, PIF, IRV, VT, VE), Rf, ti, te, ti/t-tot,VT/ti, MVV measured, MVV calculated	FEV1/FVC%, DTPEF, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, FEF50%, FEF75%, FEF 75-85, FIVC, FIV1, FIV1/FIVC%, FIF25%, FIF50%, FIF75%, R50, PIF, IRV, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV measured, MVV calculated
Oxspirometry tests	-	Optional Min/Max/Avg. SpO2. Min/Max/Avg, pulse rate, test duration, T90% [SpO2 time ≤89%], T89% [SpO2 time ≤88%], total SpO2 events, T40 (bradycardia duration with pulse rate <40 BPM). T120 (tachycardia duration with pulse rate >120 BPM)	SpO2. Min/Max/Avg, pulse rate, test duration, T90% [SpO2 time ≤89%], T89% [SpO2 time ≤88%], total SpO2 events, T40 (bradycardia duration with pulse rate <40 BPM). T120 (tachycardia duration with pulse rate >120 BPM)
Spirometry tests	FVC, VC, IVC, pre and post	FVC, VC, IVC, MVV, pre and post	FVC, VC, IVC, MVV, pre and post

Accessories

Disposable bi-directional digital turbine	Optional	Optional	Optional
Reusable bi-directional digital turbine	Optional	Optional	Optional
Battery Charger	Optional	Optional	Standard



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