



Product Code	33514
Unit of sale	1 pc
Minimum order	1
Type	Medical device
Class	II A

RDM (NSIS)	2621340
CND	Z12150102
EAN/UPC	8023279335149
GMDN	17148

## Description

### SPIRO BANK II SMART + OXYMETER + MIR SPIRO 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.

More than 300 hours of oximetric test records (SpO2 % and pulse frequency tests). Measured parameters: min, max and average SpO2 %, min, max and average pulse frequency, SpO2 total events, test duration, bradycardia events (<40 bpm), tachycardia events (>120 bpm), T90% (time passed with SpO2 =89%), T89% (time passed with SpO2 = 88%)

- 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, DK, PL, SE, CZ available on [www.gimaitaly.com](http://www.gimaitaly.com)), re-usable turbine and MIR Spiro software.

Weight 140 g  
Size 55x160x25 mm  
160x80 pixel display

Made in Italy.

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### MIR SPIRO PC software

The next-generation software for Spirometry and Oximetry. It complies with ATS/ERS 2019. Powerful and advanced, provides a wide range of features in a new graphic and customizable settings. New user interface, much more user intuitive and easier interoperability for EHR/ EMR integration. Automatic updates provide the latest version of software.

MIR Spiro PC Software one year licence subscription included with all MIR spirometers and oximeter.

### MIR Spiro software licence has one-year validity

Annual Platinum subscription renewal on [mymir.spirometry.com](http://mymir.spirometry.com)

TEST:  
FVC Pre/Post, SVC Pre/Post  
Oximetry Spot  
24h oximetry holter  
MVV Pre/Post  
Oximetry 6MWT, Oximetry Sleep

### PATIENT MANAGEMENT:

New patient / Patient List / Patient Search  
Patient Session Summary  
Patient Risk factors/Symptoms

Test cronology comparison  
Worklist

**PRINTOUTS:**

FVC Printout STD and ATS 2019  
FVC Printout STD NIOSH/OSHA  
Oximetry Calibration Printout and VC Printout  
Quality Grade Printout

**DATA MANAGEMENT:**

Data sharing/Interoperability  
Data import from Legacy db  
Data Import from third parties sfw db  
Data Export in Excel/csv/ATS/HL7/GDT  
Data Recovery  
Emphysema Severity Index (ESI)  
ESI Method Artificial Intelligence

**PC SYSTEM REQUIREMENTS:**

Windows: 8, 10, 11 (all 32, 64 bit); RAM 1 GB for 32 bit or 2 GB for 64 bit / 1 GHz or faster processor, two or more cores in a 64 bit processor / 1 GB free hard disk space  
Mac iOS: operating system from 10.13; RAM 2 GB (recommended 4 GB) / 1 GB free hard disk space  
Connection: USB port or Bluetooth low energy  
Multilingual software: GB, FR, IT, ES, PT, DE, PL, HU, RO, SE, NL, CZ, LV, TR, UA, GE, RU, CN, JP

## 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  $\pm 16$ L/s

Volume accuracy  $\pm 2.5\%$  or 50 mL

Flow accuracy  $\pm 5\%$  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

### OXIMETRY

Measurement method: red and infrared absorption

SpO<sub>2</sub> range: 0-99%  $\pm 2\%$  between 70-99% SpO<sub>2</sub>

Pulse rate range: 30-300 BPM  $\pm 2$  BPM or 2%

Signal quality indicator: 0-8 segments on display

Memory capacity: up to 300 hours oximetry