



Product Code	33532
Unit of sale	1 pc
Minimum order	1
Type	Medical device
Class	II A

RDM (NSIS)	2621385
CND	Z12150102
EAN/UPC	8023279335323

## Description

### SPIRODOC SPIROMETER + MIR SPIRO PC SOFTWARE - BLUETOOTH

One touch laboratory for respiratory analysis suitable for professional and personal use, supplied with reusable turbine.

Complete spirometer ATS/ERS compliant.

Specialist-level analysis, screening and Home-care monitoring. Various operation modes: “advanced” parameters for the specialist, “reduced” set of parameters for screening as well as a “simplified” version for Home-care operation. FVC, VC, IVC, MVV, PRE-POST. Precise spirometry interpretation including post bronchodilator. All tests are automatically memorized. Automatic BTPS conversion. Memory capacity: 10,000 tests. Wide selection of predicted values. Possibility to enter patient name.

Home-care symptoms diary (eDiary).

Fast on-screen symptoms entry. Easy touch screen with settable questions and automatic answer recording for homecare use.

Internal software and manual: GB, FR\*, IT, ES\*, DE\*, BR\*

\* Manual only on [www.gimaitaly.com](http://www.gimaitaly.com)

Made in Italy.

<HR>

### 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

**Central unit**

Display: LCD backlit touch screen display 128x64 pixels  
Power supply: Lithium ion 3.7 V, 1100 mA rechargeable battery with 50 hours measurement back up  
Accelerometer: Triaxial  $\pm 2$  g, 400 Hz sampling  
Size - weight: central unit 101x48x16 mm, 99 g / removable turbine head: 46x47x24 mm, 17 g

**Spirometry**

Flow sensor: Bi-directional digital turbine, range:  $\pm 16$  L/s  
Volume accuracy:  $\pm 2.5\%$  or 50 mL, whichever is greater  
Flow accuracy:  $\pm 5\%$  or 200 mL, whichever is greater  
Dynamic resistance at 12 L/s:  $< 0.5$  cm H<sub>2</sub>O/L/s  
Temperature sensor: semiconductor (0-45°C)

**Spirometer measured parameters**

FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25%-75%, FET, Estimated Lung Age, Extr. Vol., FIVC, FIV1, FIV1/ FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MW measured, MW calculated