



# Spirodoc® Spiro

Touchscreen handheld Spirometer. Spiro + Oxi version available.  
Advanced, screening and patient user modes. Monitor progress of respiratory rehabilitation.

The Spirodoc® Spiro is a handheld, portable diagnostic spirometer with touchscreen display. The device can be configured to operate with advanced parameters for full spirometry, reduced parameters set for simple screening and a simple mode for patient home use.

The device features a high resolution touch screen display. Powered by its long life rechargeable battery, the Spirodoc® is capable of storing up to 10,000 tests on its built in memory. When patients are sent away with a Spirodoc®, the device can be set to patient mode which features an "eDiary". This allows patients to answer pre-configured questions about their symptoms that correlates with any tests recorded for that day.

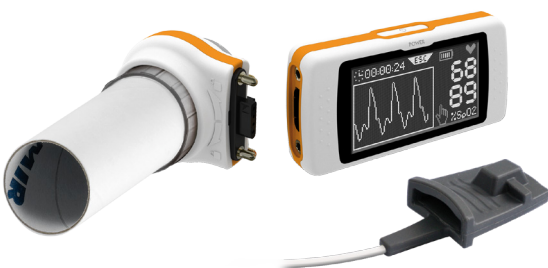
It can also connect wirelessly to a PC via Bluetooth® (or directly via USB) allowing for real-time spirometry testing, and downloading of test results stored on the device using the free MIR WinspiroPRO® PC Software. The Spirodoc® Spiro measures an array of selectable parameters and gives a PRE and POST bronchodilator comparison. Results are previewed on the display following a test, with a flow/volume graph in addition to the patient's actual spirometry readings for immediate assessment together with interpretation.

## KEY FEATURES

- **Handheld spirometer with touchscreen**  
Navigate easily through the icon-based menus on a clear, high resolution screen
- **Three functional modes**  
Choose between full spirometry mode, basic screening mode or patient mode for home testing
- **Patient's home-care symptoms eDiary**  
With patient mode enabled, users can monitor themselves and record their symptoms
- **Large memory storage**  
Store up to 10,000 tests
- **Bluetooth® and USB connectivity to PC**  
Download results stored on the device and conduct real-time spirometry using WinspiroPRO® PC software.
- **Spiro + Oximetry version also available**

## Spirodoc® Spiro + Oxi version

The Spirodoc® is also available as a spirometer with oximetry for complete respiratory diagnostic and rehabilitation monitoring. The flowmeter can be detached from the main unit allowing for ambulatory walk testing, sleep oximetry testing and continuous monitoring of everyday physical activity. For more information about oximetry, please refer to Spirodoc® Oxi data sheet.



# MIR Spirodoc® Spiro

TECHNICAL SPECIFICATIONS	
Device category	Diagnostic spirometer
Spirometry 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, MVV measured, MVV calculated
Flow measurement	± 16 L/s
Volume accuracy	± 3% or 50 mL
Flow accuracy	± 5% or 200 mL/s
Flow sensor	Bi-directional digital turbine
Dynamic resistance at 12 L/s	<0.5 cmH2O/L/s
Temperature sensor	Semiconductor (0-45°C)
Data transmission	USB 2.0 On-The-Go and Bluetooth® 2.1
Display	128x64 pixels LCD Backlit Touch screen Display
Power	Lithium ion 3.7V, 1100mA rechargeable battery Battery charger (optional): 100VAC - 240VAC, 50Hz-60Hz output 5VDC, 500mA, micro USB type B
Dimensions	Central unit: 101 x 48 x 16 mm - Removable turbine: 46 x 47 x 24mm
Weight	Central unit: 99g - Removable turbine: 17g

## Pulse Oximetry Specifications (MR-910610 version)

For full specifications on oximetry refer to Spirodoc® Oxi Data Sheet (Doc Ref:0299)

## Ordering Information

PART NUMBER	DESCRIPTION
MR-910600E1	MIR Spirodoc® Spiro with re-usable turbine
MR-910600E2	MIR Spirodoc® Spiro with 100 x disposable turbine
MR-910610E1	MIR Spirodoc® Spiro + Oxi with re-usable turbine
MR-910610E2	MIR Spirodoc® Spiro + Oxi with 100 x disposable turbine
MR-910002	Replacement re-usable turbine
MR-910004	Disposable turbines (Box of 50)
881002	One-way valve adult mouthpieces for re-usable turbine (Box of 200)

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