



Spirodoc[®] Oxi

Touchscreen handheld pulse oximeter recorder.
Ambulatory and continuous monitoring for respiratory rehabilitation.

The Spirodoc[®] Oxi is a handheld, portable pulse oximeter recorder and is ideal for general spot checks and for continuous monitoring of respiratory patients undergoing rehabilitation.

The recorder uses MIR's 3D Oximeter[®] technology that incorporates a triaxial motion sensor to correlate the patient's saturation level (%SpO₂) to their physical activity. This means that it automatically measures physical activity as well as body position at the same time as it records desaturation events while standing, walking or sleeping. With this in mind, the Spirodoc[®] Oxi is perfect for use in 6 minute walk tests, sleep oximetry and for the continuous monitoring of everyday physical activity. For 6 minute walk tests, the Spirodoc[®] can estimate the level of oxygen therapy required by the patient.

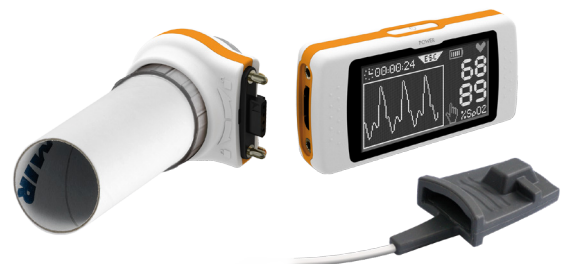
The device has two modes - Professional and patient home use - that can be set depending on the application. When patients are sent away with a Spirodoc[®], the device can be set to patient mode which features an "eDiary". This allows patients to answer pre-configured questions about their symptoms for that day.

Powered by its long life rechargeable battery, the Spirodoc[®] has a large built in memory storage for hours of oximetry recording. The device features a high resolution touch screen display showing simple and clear %SpO₂ and HR measurements with a view of the plethysmographic curve. Results can be downloaded using the free MIR WinspiroPRO[®] PC Software for further analysis and comprehensive reporting.

The Spirodoc[®] is also available in two other versions: with Spirometry and Spirometry + Oximetry. See Spirodoc Spiro data sheet for more details.

KEY FEATURES

- **Intelligent Pulse Oximeter recorder with on-screen results**
Simple and clear %SpO₂ and HR measurements with a view of the plethysmographic curve
- **Full touchscreen control**
Navigate easily through the icon-based menus on a clear, high resolution touchscreen
- **3D Oximeter[®] technology recording physical activity, body positioning alongside %SpO₂**
Ideal for use in 6 minute walk tests, sleep oximetry and home rehabilitation monitoring with eDiary
- **Large memory storage**
Storage for hours of oximetry recording
- **PC connectivity**
Download results stored on the device for further analysis using free MIR WinspiroPRO[®] PC Software
- **Comprehensive reporting**



MIR Spirodoc® Oxi

TECHNICAL SPECIFICATIONS	
Device category	Pulse oximeter
SpO2 range/accuracy	0-99%SpO2 / ±2% between 70-99%SpO2
Pulse range/accuracy	30-254BPM / ±2BPM or 2% (Whichever is greater)
Accelerometer	Triaxial ± 2g, 400Hz sampling
Pulse-oximeter measured parameters (standard)	SpO2 [Baseline, Min, Max, Mean], Pulse rate [Baseline, Min, Max, Mean], T90% [SpO2<90%], T89% [SpO2<89%], T88% [SpO2<88%], T5% [ΔSpO2>5%], ΔIndex [12s], SpO2 Events, Pulse rate events [Bradycardia, Tachycardia], Step counter, Movement [VMU], Recording time, Analysis time
Sleep analysis (specific parameters)	Body position, SpO2 Events, Desaturation index (ODI), Desaturation [Mean Value, Mean duration, Longest duration, Nadir Peak], ΔSpO2 [Min Drop, Max Drop], Total Pulse Variations, Pulse Rate Index, NOD89% [SpO2<89%; >5min], NOD4% [SpO2 Basale-4%; >5min], NOD90% [SpO2<90%; Nadir<86%; >5min]
6 Minute Walk Test (specific parameters)	O2-Gap, Estimated distance, Distance walked, Predicted distance [Min, Standard], TΔ2% [SpO2≥2%], TΔ4% [ΔSpO2≥4%], Time [Rest, Walking, Recovery], Desaturation Area/Distance Optional data entry: Borg Dyspnea [Baseline, End, Change], Borg Fatigue [Baseline, End, Change], Arterial blood pressure [Systolic, Diastolic], Oxygen administered
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
Weight	Central unit: 99g - Removable turbine (Spirometry): 17g

Ordering Information

PART NUMBER	DESCRIPTION
MR-910606E	MIR Spirodoc® Oxi with Oximetry finger sensor
MR-919024_INV	Replacement Oximetry finger sensor with cable

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