The first 3D Oximeter®
Two functional modes: doctor and Home-Care

Smart Oximeter with all results on-screen

Touch Screen display
for immediate and intuitive use

Automatic ON/OFF
simple programmable
ON/OFF timer

3D Accelerometer
with motion analysis for O₂ prescription

www.oximetry.com
Spirodoc® is the first 3D Oximeter® incorporating a triaxial motion sensor to correlate the saturation level (%SpO2) with physical activity (walk counter, movement analysis and VMU).

3D accelerometer with motion analysis

6MWT with new O₂ Gap Index (MIR patent pending)

Simple, clear SpO2 and Pulse Rate measurements with the plethysmographic curve.

During the single six-minute walk test (6MWT), Spirodoc® estimates the level of oxygen therapy required by the patient.

Innovative and essential in pneumology, cardiology and rehabilitation etc.

Day and night

Spirodoc® carries out sleep desaturation studies and memorizes events as well as body position.
WinspioPRO now available with HL7 interface

MIR PC software for maximum oximetry performances

All results can be quickly printed.

All tests memorised in Spirodoc® are automatically downloaded into winspioPRO and a patient data card is automatically created.

WinspioPRO can easily be connected to a database, EPR, hospital or occupational health system.

Special edition with HL7 interface is available on request.

WinspioPRO is a unique featured PC software, which comes standard with all MIR devices.

The latest version provides an innovative user interface, including a detailed motion analysis.

Comprehensive patient records

All patient physical activity records, as well as body position, are shown on simple, single-screen patient cards with dynamic management of all data and graphs including SpO2 measurements during the corresponding test (6MWT, Sleep, Stress Test…).
Central unit technical specifications

- Display: LCD Backlit Touch screen
- Resolution: 128x64 pixels
- Power supply: Lithium ion 3.7V, 1100mA rechargeable battery with 30 hours measurement back-up
- Data transmission: USB 2.0 (Bluetooth® optional)
- Accelerometer: Triaxial ± 2g, 400Hz sampling
- Dimensions and weight: central unit 101x48x16mm, 99g
- Battery charger (optional): 100VAC - 240VAC, 50Hz-60Hz output 5VDC, 500mA, micro USB type B

Oximeter technical specifications

- SpO2 range: 0-100%
- SpO2 accuracy: ±2% (50-100% SpO2)
- Pulse rate range: 20-254BPM
- Heart rate accuracy: ±2BPM or 2%, whichever is greater

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]

6MWT (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