MIR Oxi ®

The first pocket Oximetry Lab

Telemedicine option

MEDICAL INTERNATIONAL RESEARCH Inc.

MIR

Connectivity
- USB
- RS232
- Bluetooth®
- Acoustic coupling

MIR
DOWNLOADING...
...50% COMPLETED

Remote diagnosis via web also with Bluetooth® connection

winspiroPRO

PC software included

Q Quality Oximetry

Display

D.Martini
Six Minute WALK TEST
Sleep Oximetry
Oximetry (SpO2/BPM)

ESC
OK

◁ — + ▷

All parameters calculated are shown directly on the display

MIR Oxi® surpasses the limits of all conventional instruments which can only record SpO2 and Pulse Rate

Its extensive and innovative integrated functions make it the most unique oximeter on the market!
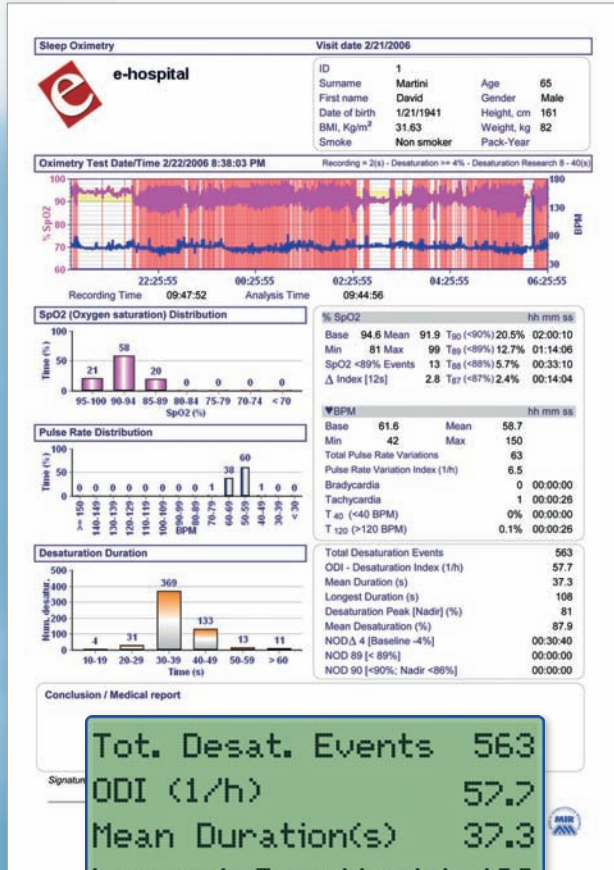
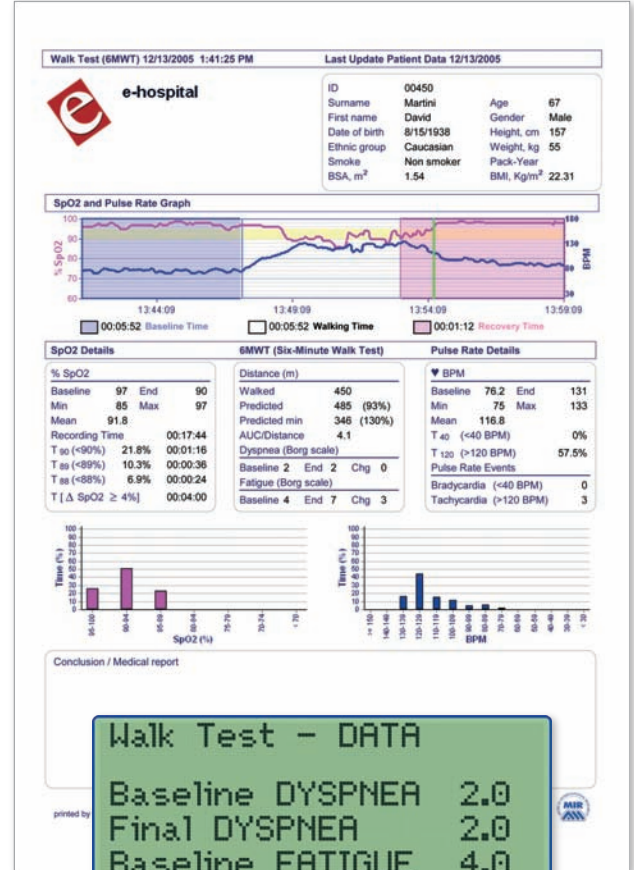| FDA	ISO	ISO
Approved	9001-2000	13485

4 application modes available
- **Sleep oximetry with desaturation analysis**
- **6 Minute Walk Test (6MWT)**
- **Short and long term SpO2/BPM recording**
- **Real time test on PC**

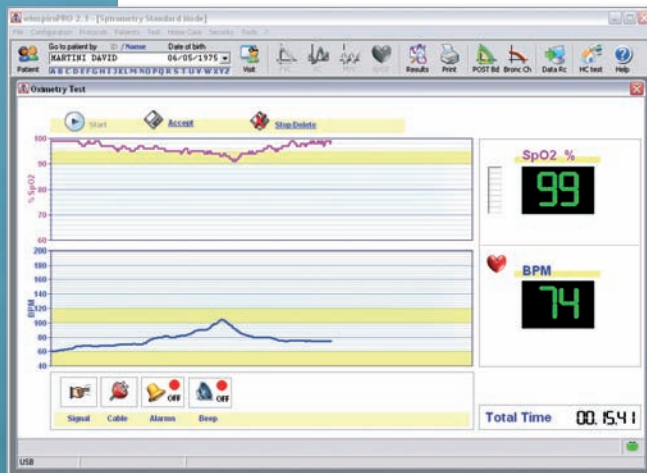*Sleep oximetry printout with desaturation analysis*

Three phase printout of 6 Minute Walk Test: Baseline, Walk, Recovery


```
Tot. Desat. Events  563
ODI (1/h)          57.7
Mean Duration(s)   37.3
Longest Duration(s) 108
Desaturation Peak(%) 81
```

Parameters of sleep desaturation

```
Walk Test - DATA
Baseline DYSPNEA   2.0
Final DYSPNEA      2.0
Baseline FATIGUE   4.0
Final FATIGUE      7.0
Distance (m)       540
```

"Extra-oximetry" data for 6 Minute Walk Test

All results are shown directly on the display

	SpO2	BPM
Baseline	96.9	80.7
Min	95	64
Max	98	96
Mean	96.9	78.7

Real time test on PC via USB

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MIR

World's first All in one!

The MIR Oxi® establishes the new international standard in oximetry

- **Up to 1,000 hours of recording (2 or 4 seconds intervals)**
- **Direct printer connection via Bluetooth®**
- **Test data can be archived and then recalled using patient name**
- **Graphic display with user friendly icons and messages to facilitate use**
- **Internal memory, with back-up of measured values, for up to 10 years even in absence of batteries**


```
00:00:21  🔔  ||||||||
OXIMETRY (SpO2/BPM)
SpO₂ 97    ♥  58
              ALARM
```
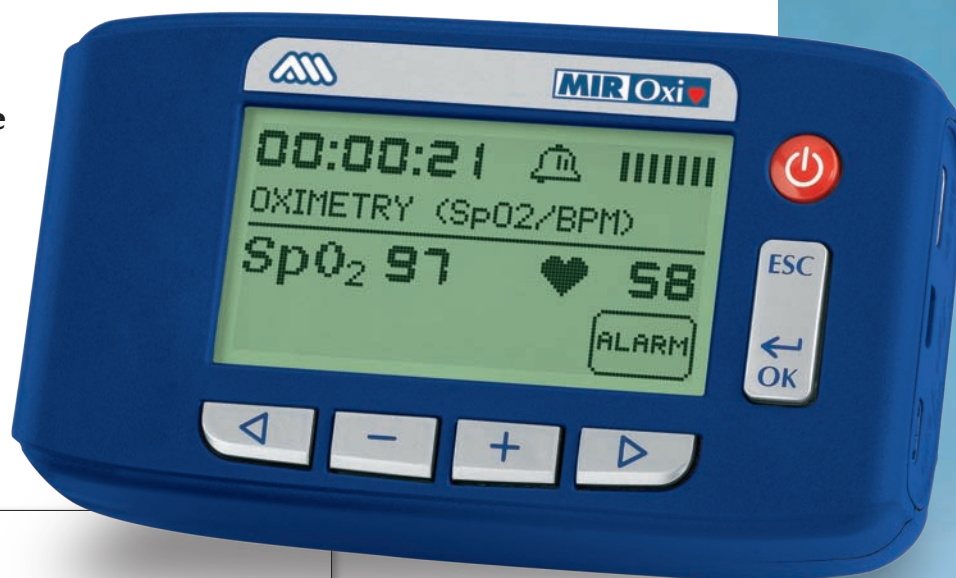
Stand alone mode

MIR Oxi® calculates all major parameters recommended in peer reviewed literature and all principal "specific" statistical indexes by typology of test (ie: min, max, mean SpO_2 and Pulse Rate, Delta Index, T90%, T89%, T88%, T87%, ODI, NOD, etc.).
All parameters are shown on the display without the need to connect to a PC

Possibility to insert "extra-oximetry" data (ie: dyspnea, fatigue, distance) for automatic calculation of special diagnostic indexes such as the AUC/Distance (Area Under the Curve/Walked Distance) which are very useful to compare two different walk tests carried out by the same patient

PC software

Possibility to modify the registered data (start/end walk test phase, ignore artefacts, etc.)

One of the most distinctive elements of the **MIR Oxi®** is the "specialized and detailed", report printout in color which is easy to read and facilitates the diagnostic interpretation

Adult reusable finger probe

Pediatric reusable finger probe (option)

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Device technical specifications

Display: STN Graphic, 128 × 64 pixels
Keyboard: Membrane, 6 keys
Connectivity and data transmission: USB, RS232, Bluetooth®, acoustic coupling
Power Supply: 4 × 1.5 V, AAA battery
Dimensions: 4.2×2.4×1.0 inch (106×62×26 mm)
Weight: 5.6 Oz (160 gram) battery included
SpO2 range: 0-99%
SpO2 resolution: 1%
SpO2 accuracy: ± 2% (70-100% SpO2)
Heart Rate range: 30-254 BPM
Heart Rate resolution: 1 BPM
Heart Rate accuracy: ± 2 BPM or 2%, whichever is greater

Measured parameters

Basic parameters: SpO2 (Baseline, Min, Max, Mean), Pulse rate [Baseline, Min, Max, Mean], T90 [SpO2<90%], T89 [SpO2<89%], T88[SpO2<88%], T87[SpO2<87%], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia], Δ Index [12s]

6 Minute Walk Test Specific Parameters: TΔ2 [SpO2≥2%], TΔ4 [ΔSpO2≥4%], Recording time, Time [Rest, Walking, Recovery], Walked Distance, Predicted Distance [Min, Standard], AUC/Distance, Borg Dyspnea [Baseline, End, Change], Borg Fatigue [Baseline, End, Change]

Sleep Test Specific Analysis: Total Desaturation Events, Desaturation Index (ODI), Desaturation [Mean Value, Mean Duration, Longest Duration, Nadir Peak], ΔSpO2 [Min Drop, Max Drop], Total Pulse Variations, Pulse Rate Index, NOD 4 [SpO2 Baseline-4%; >5 minutes], NOD 89 [SpO2<89%; >5 minutes], NOD 90 [SpO2<90%; Nadir <86%; >5 minutes]

Standard equipment
- Device
- USB cable
- Carrying case
- User manual
- Adult reusable SpO2 probe
- 4 AAA Alkaline batteries
- Belt and holder
- **winspiroPRO** PC software

Available options
- PC Software **winspiroPRO NET** (network)
- Adult reusable SpO2 finger probe
- Adult disposable SpO2 finger probe
- Pediatric reusable SpO2 finger probe
- Infant disposable SpO2 probe
- Neonatal disposable SpO2 probe
- Ear clip SpO2 probe
- SpO2 Finger probe extension cable

www.spirometry.com

MIR - Medical International Research USA, Inc.
1900 Pewaukee Road, Suite O
Waukesha, WI 53188
Phone: +1 (262) 565-6797 - Fax: +1 (262) 364-2030
mirusa@spirometry.com

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