SPIROBANK®
OXI

App-Based Spirometer with embedded Oximeter.

The simplest device for accurate Remote Patient Monitoring and Homecare. Real time test available on Smartphone via Bluetooth Smart 4.0

www.spirometry.com
MAIN features

PAIR AND PLAY
Automatic pairing via Bluetooth BLE. Real-time plethysmographic curve and test result on your Smartphone.

MOBILE APP
Intuitive App for Spirometry and Oximetry, always included for iOS and Android Smartphones.

MEASURED PARAMETERS
- **Spirometry Parameters:** PEF, FEV1, FVC, FEV1/FVC, FEF2575, FEV6, VEXT, DTEF, FEF75, FET, FEF25, FEF50, FIVC, FIV1, PIF, FEV3, FEV05, FEV075, FEV2.
- **Oximetry Parameters:** %SpO2min, %SpO2mean, %SpO2max, BPMmin, BPMmean, BPMmax, Ttotal

COMPLIANCE ATS/ERS 2019
And other Standards including ISO 26782 (for Spirometry), ISO 23747 (for PEF), ISO 80601-2-61 (for Oximetry), and more.

DISTINCTIVE features

SPIROMETRY GUIDELINES
Suitable for all ages from 5 to 93 years and multi-ethnic groups (GLI predicted sets).

REAL TIME OXIMETRY TEST
Innovative reflectance pulse-oximetry sensor (Touch). Easy to use and accurate.

SHARE MEDICAL REPORT ON APP
With anyone at anytime via eMail, Whatsapp, SMS, Cloud, Drive, Bluetooth, Airdrop and more.

Always INCLUDED
- 2x AAA 1.5V Batteries
- Single Patient Reusable Turbine
- Plastic reusable mouthpiece
- User manual
- App for Smartphone (iOS and Android)
Compatible SOFTWARE

**MIR SPIROBANK APP**

Mobile App (iOS and Android), for real time **spirometry and oximetry** test, directly on your Smartphone via Bluetooth Smart 4.0.

**REAL TIME TEST**

Spirometry: PEF, FVC, FEV1, FEV1/FVC ratio, FEF25/75, FEV6, VEXT, DTPEF, FEF75, FEF25, FEF50.

Oximetry: SpO2% (mean), Pulse BPM (mean)

**MEDICAL REPORT**

Professional PDF report
Including Acceptability Messages, Quality Control Grade, Acceptable Trials, Variability of FEV1 and FVC, Pictograms.

**SHARE RESULTS**

Share results in PDF
With anyone at anytime via eMail, Whatsapp, SMS, Cloud, Drive Bluetooth, Airdrop and more.

**PERSONAL TREND**

E-diary, symptoms and notes can be added for each test. Oximetry results can also be added manually on the App.

**INCENTIVE**

Real time animation on Smartphone, to improve personal compliance during the test.

Compatible **TURBINES**

<table>
<thead>
<tr>
<th>Single Patient Reusable Turbine</th>
<th>Mouthpiece</th>
<th>Turbine Disinfection</th>
<th>Turbine Calibration</th>
<th>Packaging</th>
<th>Antiviral Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Included Reusable</td>
<td>Not required</td>
<td>Not required</td>
<td>Individually sealed: 1 unit / box</td>
<td>Not required</td>
</tr>
</tbody>
</table>

| flowMIR Disposable Turbine     | Included Disposable | Not required        | Not required        | Individually sealed: 60 or 10 units / box | Not required |

**PLAY VIDEO REVIEW**

**SCIENTIFIC PUBLICATIONS**
## Technical Specification

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>49 mm</td>
</tr>
<tr>
<td>Length</td>
<td>109 mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>21 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>60.7 g (batteries included)</td>
</tr>
<tr>
<td>Turbine</td>
<td>Reusable Turbine with plastic Mouthpiece (code 910013)</td>
</tr>
<tr>
<td></td>
<td>Disposable Turbine (code 910004)</td>
</tr>
<tr>
<td>Mouthpiece</td>
<td>Ø 30 mm (1.18 inches)</td>
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<tr>
<td>Power supply</td>
<td>2 batteries AAA 1.5 V</td>
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<tr>
<td>Consumption</td>
<td>max 12 mA</td>
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<tr>
<td>Autonomy</td>
<td>5-10 years</td>
</tr>
<tr>
<td>IP protection level</td>
<td>IP22</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Bluetooth® 4.0</td>
</tr>
<tr>
<td>Type of electrical protection</td>
<td>Type BF Apparatus</td>
</tr>
</tbody>
</table>

### Spirometry

- Flow sensor: bi-directional digital turbine
- Flow range: 10 L/s (960 L/m)
- Volume range: 10 L
- Volume accuracy: ±2.5% ±0.05L
- Flow accuracy: ±5.0% ±0.20 L/s
- Dynamic resistance: <0.5 cm H2O/L/s (a 12 L./s)
- Temperature sensor: none
- Available test: FVC
- Measured parameters: FEV1, PEF, FVC, FEV1/FVC, FEV6, FEF2575
- Additional parameters available with F/V version: FEV2, FEV3, FET, PEF Time
- Memory capacity: the application on the remote device (smartphone/tablet) memorizes data

### Oximetry

- Measuring method: double wavelength
- %SpO2 range: 70%-100%
- %SpO2 accuracy: ±1.9%
- Average number of beats for the %SpO2 calculation: 12 beats
- Pulse Rate range: 30-200 BPM
- Pulse Rate accuracy: ±5%
- Average interval for Pulse rate calculation: 12 seconds
- Quality signal indicator: 0-8 lines
- Available tests: spot
- Measured parameters: %SpO2MIN, %SpO2MEAN, %SpO2MAX, BPMMIN, BPMMEAN, BMxmax
- Wavelength sensors: Red 660 nm, Infrared 880 nm
- Maximum optical output power: 1.2 mW

### Certification & Registration

- CE 0476: MED 9826
- FDA 510 (k): pending
- Health Canada: pending
- Codice CND: Z12150102
- Codice GMDN: 46906

### Locations

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