

## spirobank™ II Spirometer



### PATIENT MONITORING

#### Unrivalled features in a single device

The **spirobank™ II** is a handheld multifunction spirometer with graphic display. It can be used alone or with the winspiroPRO software connected to a PC. The spirobank™ II does not require calibration and has an internal temperature sensor for automatic BTPS conversion. An internal 6,000 patient memory with Bluetooth® and telemedicine communication features is standard. An optional built-in pulse oximeter makes the spirobank™ II the most versatile and user-friendly handheld spirometer on the market. The oximetry option allows the user to perform oximetry tests such as oxygen qualification, overnight sleep screenings, and real-time oximetry readings. This information can be downloaded to the winspiroPRO software for report generation.



#### Disposable Turbine – Industry First!

The world's first disposable turbine offers outstanding patient sensitivity while providing a reduction in per patient test costs. The disposable turbine reduces the chance of cross-contamination, thus ensuring each patient's safety.



## spirobank™ II Spirometer

- Spirometer with 6,000 spirometry test memory capacity
  - High resolution/high visibility graphic display
  - Patient identification by name or ID code
  - Automatically records the ATS best test with 3 trials
  - Pre-post bronchodilator comparison
  - Spirometry interpretation with test quality assurance
- **Optional Oximeter**
  - Short or long term (overnight) SpO<sub>2</sub> and Pulse Rate measurements
  - Sleep screening with desaturation events recording
  - Walk Test (6MWT) with SpO<sub>2</sub> and Pulse Rate analysis
  - Oximeter option with 1,000 hours (40 days) oximetry recording

## winspiroPRO Software

- On-line PC connection with icon interface
- Real time Flow/Volume and Volume/time curves
- Bronchial challenge with FEV1 dose-response
- Pediatric incentive animations
- Lung age estimation
- Integration with EMR systems
- Data and graphs export via e-mail



FVC Analysis



MVV Analysis



Post Analysis



SpO<sub>2</sub> Analysis



VC Analysis

## Technical Specifications

- **Spirometry Features and Measured Parameters**  
FVC, FEV1, FEV1/FVC%, FEV3, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, \*FVC, \*FEV1, \*PEF, VC, IVC, IC, ERV, FEV1/VC%, FEV3/FVC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV [\* = Best value]
- **Temperature Sensor**  
Semiconductor 32-113°F (0-45°C)
- **Flow Sensor**  
Bi-directional digital
- **Volume Accuracy**  
± 3% or 50 mL/s
- **Flow Accuracy**  
± 5% or 200 mL/s
- **Dynamic Resistance at 12 L/s**  
<0.5 cmH<sub>2</sub>O/L/s
- **Display**  
STN graphic, 128 x 64 pixel
- **Keyboard**  
Membrane, 6 Keys
- **Connectivity and Data Transmissions**  
USB, Bluetooth®, wireless internal modem for acoustic coupling to telephone (telemedicine applications), RS 232 (cable optional)
- **Power Supply**  
4 x 1.5 V, AAA battery
- **Weight**  
6.35 ounces (180 grams) with battery
- **Dimensions**  
Length: 5.8 inches (145 mm)  
Width: 2.4 inches (60 mm)  
Height: 1.2 inches (30 mm)
- **Standards**  
CE-0476, ATS-ERS-Standards, ISO-9001-2000, ISO-13485
- **Oximeter (optional)**
- **SpO<sub>2</sub> Range**  
0-99%
- **SpO<sub>2</sub> Accuracy**  
± 2% between 70-99% SpO<sub>2</sub>
- **Pulse Rate Range**  
30-254 BPM
- **Pulse Rate Accuracy**  
± 2 BPM or 2%

Information subject to change without notice. Please read the instructions for use supplied with the product for detailed instructions, warnings and cautions. Q-Line to U.S.A. customers call 1-800-348-1842 for emergency and clinical application information 24 hours a day, 365 days a year.

For more information, please call Smiths Medical PM, Inc., at 262-542-3100 or 800-558-2345, or your Smiths Medical distributor.

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