

## Spirolab® III Spirometer



### Diagnostic spirometer with oximetry option

**The Spirolab® III** is the most versatile and user-friendly desktop spirometer on the market. The Spirolab® III is a desktop multi-function spirometer with graphic display and built-in printer. It can be used alone or with the winspiroPRO software connected to a PC. The Spirolab® III does not require calibration and has an internal temperature sensor for automatic BTPS conversion. It has a patient memory capacity of more than 6,000 tests, and has a full keyboard to enter patient information. The Spirolab® III weighs just over four pounds and has a long-life rechargeable battery, making it a portable desktop device. The oximetry option allows users to perform oxygen qualification, overnight sleep screenings, and real-time oximetry readings.



### 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.**

**PATIENT MONITORING**



## Spirolab® III Spirometer

- High resolution color screen
- Pre-post bronchodilator comparison
- Selectable language and predicted values
- Connectivity: USB, Bluetooth® and RS232
- Records best 3 trials
- Up to 8 maneuvers on one screen
- Internal temperature sensor for BTPS conversion

### Optional Oximeter

- Short or long term (overnight) SpO<sub>2</sub> and pulse rate measurements
- Sleep oximetry with desaturation events and oximetry during exercise test
- Oximeter with 1,000 hours recording

## winspiroPRO Software

- On-line PC connection with icon interface
- Real time Flow/Volume and Volume/Time curves
- Bronchial challenge with FEV1 dose-response
- Integration with Electronic Medical Record
- Pediatric incentive animations
- Lung age estimation



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]

### • Power Supply

Rechargeable battery and main power

### • Temperature Sensor

Semiconductor 32-113°F [0-45°C]

### • Flow Sensor

Bi-directional digital turbine

### • Flow Range

± 16 L/s

### • Volume Accuracy

± 3% or 50 mL

### • Flow Accuracy

± 5% or 200 mL/s

### • Dynamic Resistance

<0.5 cm H<sub>2</sub>O/L/s

### • Connectivity

USB, Bluetooth, RS 232

### • Display

FSTN graphic, 320 x 240 pixel

### • Printer/Paper

Thermal, 4.41 inches (112 mm) width

### • Dimensions

Length: 2.2 inches (310 mm)

Width: 8.7 inches (205 mm)

Height: 2.6 inches (65 mm)

### • Weight

4.2 lbs (1.9kg)

### • Standards

CE-0476, ATS-ERS-Standards, ISO-9001-2000, ISO-13485

### Oximeter

#### • 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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