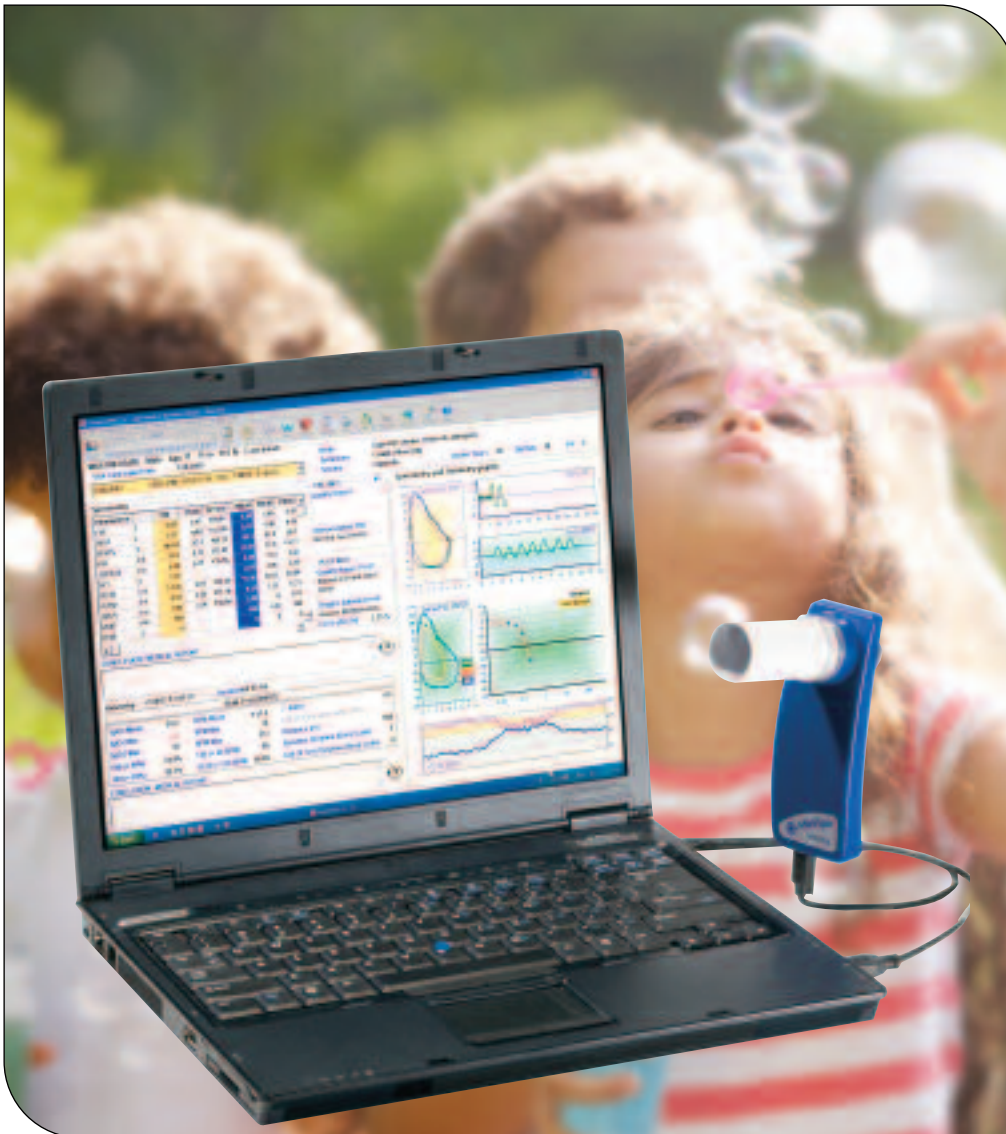


MiniSpir™ Spirometer



Portable USB spirometer

The **MiniSpir™** is a handheld, multifunction spirometer that uses winspiroPro software and connects to any PC through a USB connection. The MiniSpir™ does not require calibration and has an internal temperature sensor for automatic BTPS conversion. Its design and light weight make it easy to hold and use.



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



MiniSpir™ Spirometer

- USB connection, no batteries and no other connection required
- Internal temperature sensor for automatic BTPS conversion

PC System requirements

- Microsoft Windows®: 2000, Me, XP, 98 (Second Edition), Vista
- Screen resolution: 1024 x 768
- Hard disk space required: 160MB

winspiroPRO Software

- On-line PC connection with icon interface
- Real time Flow/Volume and Volume/Time curves
- Pre-Post bronchial challenge test
- FEV1 dose-response curves
- Lung age estimation
- Includes a series of user-selectable and amusing pediatric incentive animations
- Spirometry interpretation with test quality assurance
- Powerful database facilities
- Printout with complete spirometry report
- Data and graphs export via e-mail



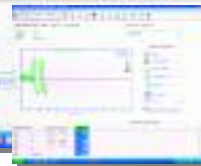
FVC Analysis



MVV Analysis



Post Analysis



VC Analysis

Technical Specifications

Portable USB Spirometer Measured Parameters

- FVC, FEV1, FEV1/FVC%, FEV3, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, EVOL, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV3/FVC%, FEV1/VC%, VT, VE, RR, ti, te, ti/t-tot, VT-ti, MVV (* = Best value)
- **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
- **Communication Port**
USB
- **Dynamic Resistance at 12 L/s**
<0.5 cmH₂O/L/s

Power Supply

Line powered from USB port

Dimensions

Length: 5.0 inches (128 mm)
Width: 2.0 inches (52 mm)
Height: 1.0 inches (26 mm)

Weight

2.12 ounces (60 grams)

Standards

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

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.

Smiths Medical PM, Inc.

Patient Monitoring and Ventilation

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