

## Digital Spirometer I AMD-3450



### Pulmonary Function Tests in Seconds

The *Digital Spirometer I* is used in clinical telemedicine applications to quickly evaluate respiratory issues such as asthma, chronic obstructive pulmonary disease, pneumonia, smoking-related problems and post-operative respiratory conditions. This PC-Based SpiroPerfect™ spirometer measures lung capacity and respiration flow rates in just seconds and provides accurate pulmonary test results that can be immediately reviewed and shared by onsite and offsite networks.



### Product Features:

- Rapid pre-/postbronchodilator FVC, SVC, and MVV testing provides automatic interpretation and reversibility analysis.
- Real-time graphs display Flow/Volume Loop and Volume/Time.
- Trending tool allows you to instantly verify quality and variability of test performance and compare with previous test results.
- Single and multiple calibration protocols provide proper test performance criteria.
- Incentive graphics help motivate and coach pediatric patients to ensure quality test results.
- Single-use disposable transducers reduce the risk of cross contamination.
- CardioPerfect™ Workstation Software makes it seamless to monitor, review, store and print on computers.
- Bi-Directional EHR interface enables immediate transfer of test data for onsite or offsite review of diagnostic information.
- Integration with AMD's AGNES™ software aggregates patient data and allows vital information to be shared with remote/consulting physician.

## Technical Specifications:

**Tests:** FVC, SVC, MVV, Pre- and Post-BD

**Sensor Type:** Pneumotach

### Connectivity:

- USB interface to PC
- Export compatible with most electronic medical records programs
- Available in multiuser network
- Telemedicine option for secure e-mail transfer

**Accuracy:** Meets or exceeds 1994 ATS standard

**Reproducibility:** Meets or exceeds 1994 ATS standard

**Interpretation:** 1991 ATS Interpretation Standards. Automatic can be disabled. Manual interpretation is also available. Lung age calculation

**Volume Range:** 0-14 L

**Flow Range:**  $\pm 14$  L/sec

**Calibration Syringe:** 3 liters

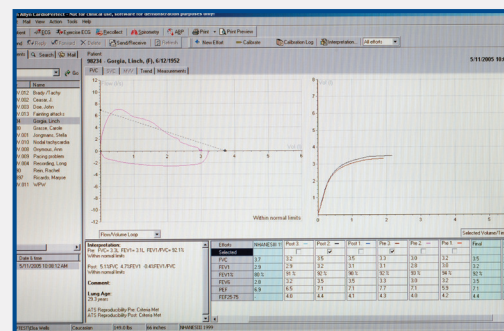
**Reports:** Multiple report templates including FVC, SVC, MVV, measurement, and trend

**Software:** Windows® XP, Vista and 7 compatible

### Minimum Computer Requirements: (Recommended)

- Processor: Intel® Pentium® III (Pentium IV or higher)
- Hard Drive: 2 GB (4 GB or more)
- RAM: 256 MB (512 MB or higher)
- Monitor Resolution: 1024 x 768 true color
- Operating Systems: Windows® XP, Vista, and 7
- CD-ROM: required for installation

Equipped with  
**CardioPerfect™ Software &  
3-Liter Calibration Syringe**



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