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.

AGNES - Ready

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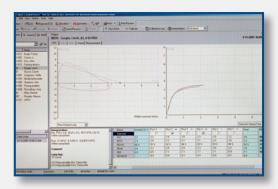- Hard Drive: 2 GB (4 GB or more)
- RAM: 256 MB (512 MB or higher)
- Monitor Resolution: 1024 x 768 true color
- Operating Systems: Windows® XP, Vista, and 7
- CD-ROM: required for installation

Equipped with CardioPerfect™ Software & 3-Liter Calibration Syringe

AMD Global Telemedicine
The Future of Medicine...Now!

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