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: ±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