Technology in Practice™



Orbit™

Portable Spirometer

PRE-CALIBRATED

COMPACT & TRANSPORTABLE

OFFICE MEDIC INTEGRATION

LUNG-AGE CALCULATION

Unparalleled Accuracy

The Orbit™ is a full-function portable spirometer which connects directly to your Personal Computer(PC), laptop or tablet. The Orbit™ simplifies spirometry testing by eliminating calibration and sterilization with disposable nose-clips and pre-calibrated mouthpieces. This portable spirometer integrates with Office Medic™ software and your EMR system.

FEATURES & BENEFITS

Patient Safety: Everything the patient touches is thrown away! This reduces the liability associated with cross-contamination. The QRS Pre-Calibrated Mouthpieces and Nose Clips are disposable, eliminating the need for sterilization and calibration.

Power Supply: No batteries required with this device because its power is drawn from the PC.

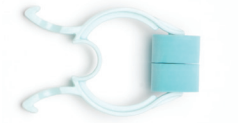
Data Storage: The PC and EMR connectivity allows for unlimited storage space. An average laptop can store 100,000 or more tests.

Report Generation: When the Orbit™ is combined with Office Medic™ software, customizable reports are generated and JPEGs and PDFs can be created and transferred into patient files.

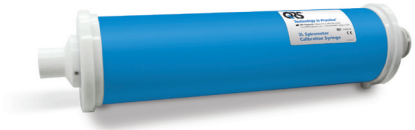
SPIROMETRY ACCESSORIES



QRS Pre-Calibrated Mouthpiece (Z-5000-2608)
The QRS Pre-Calibrated Mouthpieces are disposable and calibrated during production using the same equipment LDS Hospital uses to validate spirometers against the ATS's recommendations for the Standardization of Spirometry.



QRS Nose Clips (724050-00)
The use of a QRS nose clip for occlusion of the nares is recommended by ATS Standards.



QRS 3L Spirometry Syringe (723000-00)
According to ATS standards, the volume accuracy of the spirometer must be checked at least daily.

WHAT'S INCLUDED

- Orbit™ Portable Spirometer
- Pressure Tubes – 2
- QRS Nose Clips – 5
- QRS Pre-Calibrated Mouthpieces – 2
- Office Medic™ software

SPECIFICATIONS

RANGE (BTPS): Flow: ±14 liters/second
Volume: 0.5 – 8 liters

ACCURACY (BTPS): Flow: FEF 25-75: ±5% of indication or ±200 ml/sec, whichever is greater. PEF: ±10% of indication or ±300 ml/sec, whichever is greater. **Volume:** FVC and FEV1: ±3% of indication or ±50 ml/sec, whichever is greater. MVV: ±10% of indication or ±15 L/min, whichever is greater.

CALIBRATION: ATS 3-speed standard calibration check

TESTS PERFORMED: FVC, Pre/Post Testing, Flow Volume Loop, MVV, SVC

DIMENSIONS: 4.3" x 3.7" x 1.7"

WEIGHT: 0.5 lb.

OPERATING CONDITIONS: 15-40°C, RH 10 to 90% (non-condensing), Atmospheric Pressure: 700 to 1060 hPa

QRS®

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