



# Orbit<sup>™</sup>

## Portable Spirometer

PRE-CALIBRATED

COMPACT & TRANSPORTABLE

OFFICE MEDIC INTEGRATION

LUNG-AGE CALCULATION

Technology in Practice<sup>™</sup>

# 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

