

# SpiroSonic AIR

Digital multi-path ultrasonic spirometer with wireless connectivity to your smartphone and computer

“*For every breath you take.*”



## Asthma, COPD, Occupational Lung Disease and Home Care

Asthma, COPD and occupational lung disease are common and increasing pulmonary conditions which can be effectively diagnosed and managed with simple and accurate spirometry. Digital ultrasonic spirometry provides a cost effective monitor for all pulmonary conditions.



## Accurate, Portable and Simple Digital Pulmonary Monitoring

Digital ultrasonic spirometry - with its low resistance flow dynamics - is ideal for use with small children and provides accurate monitoring even for the elderly and sick with poor lung function. The sealed flow tube design also allows for more effective cleaning and disinfection.



## The Global Standard of Pulmonary Care

Digital ultrasound is the most accurate method of measuring lung function, and the SpiroSonic AIR provides affordable lung function analysis to best diagnose and monitor pulmonary disease and the effectiveness of therapy. The SpiroSonic AIR also provides diagnostic support based on predictive lung function performance algorithms.



## The Digital Home Care Solution







The SpiroSonic AIR has Bluetooth 4.0 Low Energy connectivity and is coupled to the SpiroSonic App. It can be connected to the SpiroReporter software to provide archiving, trend analysis, audio diagnostic support and report generation. The SpiroSonic AIR can be internet connected to provide expert medical support anywhere and anytime.

SpiroSonic AIR's user-friendly digital interface and extremely low flow resistance makes it suitable for children, elderly and sick patients with asthma, COPD and O.L.D. and can be used in the clinic or in the home.

# SpiroSonic AIR

Research quality wireless ultrasonic spirometer

## FEATURES

-  Accurate digital multipath ultrasonic technology
-  Automatic internal calibration
-  Durable design, intuitive operation
-  Diagnostic decision support system via SpiroSonic App
-  IEC 60601-11-1 certification - Ready for home-care use
-  Low flow resistance - suitable for children, elderly and sick patients

## SPECIFICATION

Volume Accuracy	± 2.5% or 50 mL whichever is greater
Flow Accuracy	± 2.5% or 50 mL/s whichever is greater
Resolution	3 mL/sec
Maximum Volume	± 20 L
Flow Range	± 14 L/sec
Sample Rate	100 Hz
Flow Tube Dimensions	Ø30 × 125 mm
Device dimensions	45 × 73 × 95 mm
Device Weight	142 g
Communication	Bluetooth 4.0 Low Energy
Power Supply	Internal 3.7 V Li-Ion battery (rechargeable via standard Qi wireless chargers - included)
Standard pulmonary function parameters (evaluated by SpiroSonic Android app)	ELA, EOTV05, EOTV1, EV, FEF25, FEF50, FEF75, FET, FEV05, FEV075, FEV075%FVC, FEV1, FEV1%FEV6, FEV1%FVC, FEV1%FVC, FEV3, FEV3%FVC, FEV6, FIF25, FIF50, FIF75, FIV1, FIV1%FVC, FVC, FVC, MMEF2550, MMEF2575, PEF, PEFT, PIF, ZeroTime



## ACCESSORIES

### SpiroSonic App

Digital spirometry for phones

- ✓ Intuitive interface
- ✓ Database sync with PC



### SpiroReporter

Full-featured pulmonary diagnostics for PC

- ✓ Automatic interpretation module
- ✓ Complete stress testing procedures

### Wireless Printer

Bluetooth 4.0 thermoprinter

- ✓ Direct printing via SpiroSonic app

