

SpiroSonic FLO

Ultrasonic spirometry partnered with
SpiroReporter software for a complete
PC solution



“*For every
breath
you take.*”



Asthma, COPD and Occupational Lung Disease

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 FLO provides affordable lung function analysis to best diagnose and monitor pulmonary disease and the effectiveness of therapy.



Complete Solution for PC-based Ultrasonic Spirometry

SpiroReporter is an innovative software solution that provides a digital platform to archive patient examinations and images, trend progress over time, analyse spirometry outputs and generate summary reports.

SpiroSonic FLO delivers accurate spirometry through advanced multi-path ultrasonic digital technology. Its extremely low resistance to flow makes it suitable for children, elderly and sick patients with asthma, COPD and O.L.D.

SpiroSonic FLO

Research quality ultrasonic spirometer with USB

FEATURES

-  Accurate digital multipath ultrasonic technology
-  Automatic internal calibration
-  Low flow resistance – suitable for children, elderly and sick patients
-  Diagnostic decision support system with SpiroReporter
-  Digital voice guided operation with SpiroReporter
-  Simple and effective disinfection

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 × 165 mm
Device Dimensions	28 × 61 × 94 mm
Device Weight	122 g
Communication	Connection to PC via USB (Type A)
Power Supply	USB 5V (USB socket of PC)

Standard pulmonary function parameters (evaluated by SpiroReporter)

AEX, ELA, EOTV05, EOTV1, ERV, EV, EV%FVC, FEF25, FEF50, FEF50/FIF50, FEF50%FIF50, FEF75, FET, FEV05, FEV05%FVC, FEV075, FEV075/FVC, FEV1, FEV1%FEV6, FEV1%FVC, FEV1%VC, FEV3, FEV3%FVC, FEV6, FEV1/FVC, FIF25, FIF50, FIF75, FIT, FIV1, FIV1%FVC, FVC, FVC, IC, IRV, IVC, MMEF2550, MMEF2575, MMEF5075, MVV, PEF, PEFT, PIF, RR, TE, TE/TI, tR, TV, TV/TI, VC, VE, VPEF, ZeroTime

SOFTWARE

SpiroReporter

All-inclusive spirometry software solution that provides measuring, archiving, analysis, trend analysis, reporting, exporting and much more

- ✓ Multiple predictive algorithms
- ✓ Pediatric incentive screen
- ✓ Automatic interpretation module
- ✓ Pharmaceutical testing subsystem
- ✓ Optional Pulse Oximetry (SpO₂)
- ✓ All standard medical interfaces (HL7, GDT, BDT, XML)
- ✓ Complete stress testing procedures
- ✓ Complete integration package with driver communication support DLL and example source code (optional)



To learn more about the Uscom premium spirometers, please visit
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