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![SpiroSonic Uscom logo]

SpiroSonic FLO

Ultrasonic spirometry partnered with SpiroReporter software for a complete PC solution.

Optimal lung function depends on accurate diagnosis and preventive therapies. That's why so many pulmonologists, and general practitioners around the globe rely on Uscom SpiroSonic spirometers for comprehensive pulmonary function analysis, and diagnostic support.

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

For Every Breath You Take

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SpiroSonic FLO

Features

- Multi-path digital **ultrasonic** technology
- Automatic internal calibration
- Low flow resistance
- Digital voice guided operation
- Diagnostic support
- Simple and effective disinfection

Specifications

Volume Accuracy	± 3% or 50 mL whichever is greater
Flow Accuracy	± 3% or 50 mL whichever is greater
Maximum Volume	± 20 L
Flow Range	± 14 L/sec
Flow Tube Dimensions	Ø30×165 mm
Device Dimensions	30×60×95 mm
Device Weight	135 grams
Communication Port/Interface	Connection to PC via USB or RS232 (optional)

Parameters Evaluated with SpiroReporter Software

Standard pulmonary function parameters	**FVC Report:** FEV1, FVC, FEV1/FVC, PEF, FET, FEV3, FEV3/FVC, FEV05, FEV075, FEV05/FVC, FEV075/FVC, FEV6, FEV1/FEV6, FEF25, FEF50, FEF75, MMEF2550, MMEF2575, PEFT, FEV1/FIVC, FIF25, FIF50, FIF75, FIV1, FIV1/FIVC, FIVC, PIF, ELA, EOTV05, EOTV1, EV, Zero Time **VC Report:** VC, IVC, IC, ERV, IRV, TV, TI, TE, VE, RR, TV/TI, TE/TI **MVV Report:** MVV
Insp/Exp Ratio	1:10 to 10:1

SpiroReporter

The 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.

Features

- Multiple predictive algorithms
- Pediatric incentive screen
- Integration to HIS (Hospital Information Systems)
- Standard Interfaces, easy integration to ECG systems, home monitoring, Tele-medical set-topboxes
- Complete integration package with driver, communication support DLL and example source code (optional)
- Pharmaceutical testing subsystem
- Optional Pulse Oximetry (SpO$_2$)

Optional Versions

- SpiroSonic FLO with THOR silicone cover: robust design provides additional protection for harsh and heavy usage environments
- SpiroSonic FLO with Micro USB connection: for connection to Android devices with SpiroApp

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