



Uscom (THOR Lab)



# SpiroSonic SMART

SpiroSonic SMART is a stand-alone solution for pulmonologists, general practitioners and personal use.

## SpiroSonic SMART

### Features

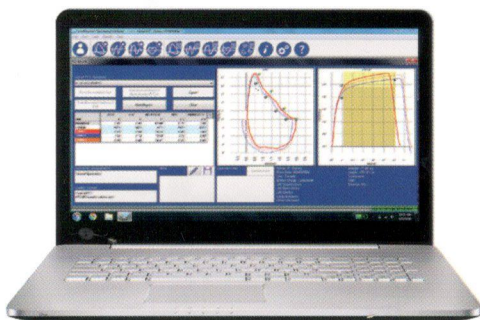
- Multi-path digital ultrasonic technology
- Automatic internal calibration
- Low flow resistance
- Patient database stores over 4000 measurements
- Digital voiceguided operation
- Diagnostic support
- Simple and effective disinfection
- Multilingual measurement tutorial
- Telemedicine: connectivity via USB or Bluetooth to third party solution

### Specifications

Volume Accuracy	± 3% or 50 mL whichever is greater
Flow Accuracy	± 3% or 50 mL/s whichever is greater
Maximum Volume	± 20 L
Flow Range	± 14 L/sec
Dimensions of the Flow Tube	Ø30 × 165 mm
Dimensions of the Device	35×80×90 mm
Device Weight	200 grams
Communication	Connection to PC via USB or Bluetooth (optional)
Battery	Internal 3.7V Li-Ion battery (rechargeable via 5V 500mA mini USB charger)

### Parameters Evaluated by SpiroSonic SMART

Standard pulmonary function parameters	FVC Report: FVC, PEF, ELA, FEV1, FEV3, FEV6, FEV1/FVC, FEF25, FEF50, FEF75, MMEF2550, MMEF2575, FET, PEFT, FIVC, FIV1, FIV1/FIVC, EV, PIF
*Parameters may vary subject to software version used.	VC Report: VC, IVC, IC, ERV, IRV, TV, TI, TE, VE, RR, TV/TI, TE/TI
Insp/Expi Ratio	MWV Report: MWV 1:10 to 10:1



SpiroReporter is a digital platform to archive patient examinations and images, trend progress over time, analyse spirometry outputs and generate summary reports.