Uscom

PRACTICE LEADING TOUCHSCREEN ULTRASONIC SPIROMETER

SpiroSonic SMART

Advanced ultrasonic digital spirometry in a portable, touch-screen 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 SMART provides affordable lung function analysis to best diagnose and monitor pulmonary disease and the effectiveness of therapy.

All-In-One Solution for Advanced Spirometry Measurements

SpiroSonic SMART measures and evaluates over 35 parameters – rivaling complex PC based systems. The reports can be directly printed from the device by using a compatible wireless or USB printer.

Uscom SpiroSonic SMART brings advanced ultrasonic digital spirometry in a portable, touchscreen spirometer. SpiroSonic SMART is specialized for the assessment of asthma, COPD, and screening for O.L.D.

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PRACTICE LEADING TOUCHSCREEN ULTRASONIC SPIROMETER

SpiroSonic SMART

Research quality ultrasonic spirometer with touchscreen

FEATURES

- Accurate digital multipath ultrasonic technology
- Automatic internal calibration
- Low flow resistance – suitable for children, elderly and sick patients
- Diagnostic decision support system
- Digital voice guided operation, interactive patient instructions
- Simple and effective disinfection
- Multilingual measurement tutorial
- Direct report printing from the device

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	37 × 80 × 92 mm
Device Weight	184 g
Display	QVGA 262k color touchscreen
Memory	4000+ measurements
Communication	Connection to PC via USB (mini Type B) Connection to printer via USB (Type A) or Bluetooth (optional)
Power Supply	Internal 3,7 V Li-Ion battery (rechargeable via 5V 500 mA mini USB charger)
Standard pulmonary function parameters (evaluated by the device)	ELA, ERV, ET, EV, FEF25, FEF2550, FEF2575, FEF50, FEF5075, FEF75, FET, FEV1, FEV1/FVC, FEV3, FEV6, FIT, FIV1, FIV1/FIVC, FIVC, FVC, IC, IRV, IVC, MVV, PEF, PEFT, PIF, RR, TE, TE/TI, TI, TV, TV/TI, VC, VE
Voice interpretation module is available in the following languages	U.S. English, French, German, Italian, Spanish, Chinese, Austrian, Hungarian, Croatian, Korean, Australian, Traditional Chinese

ACCESSORIES

Thermal printer

Bluetooth 4.0 thermoprinter

- Direct printing from SMART

Pulse Oxymetry (SpO_2)

Small and portable USB oximieter

- Integrates with SMART
- High precision measuring circuit

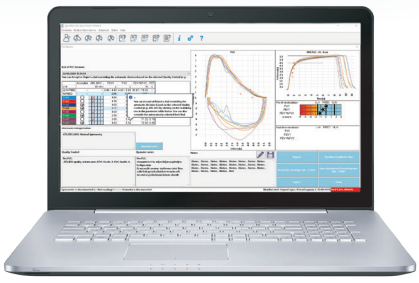
USB Weather Station

Environmental condition sensor

- Automatically sets environmental conditions in SMART

SOFTWARE

SpiroReporter



Full-featured pulmonary diagnostics software for synchronizing patient database, reports and archiving

- All standard medical interfaces (HL7, GDT, BDT, XML)
- Complete stress testing procedures

To learn more about the Uscom premium spirometers, please visit

spirosonic.com

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