Uscom
THE NEW STANDARD FOR VENTILATOR CALIBRATION

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VENTITEST
VENTILATOR CALIBRATOR

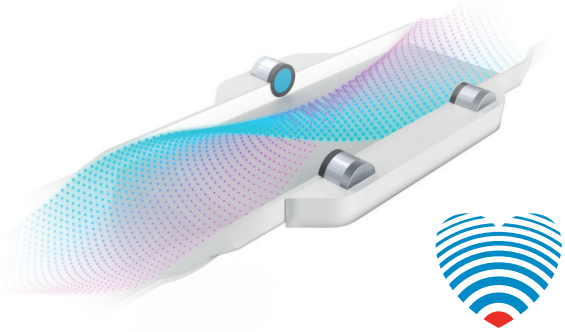
Ventilator calibration **really matters.**

Digital ultrasonic multi-path sensors provide the most accurate calibration solution.

VENTITEST is an innovative multi-path digital ultrasonic ventilator calibration solution. The integrated touch-screen and high capacity Lithium-ion battery allows for standalone operation and quick on-site testing for validation of ventilator outputs, while the **VENTITEST-S** (PC software) provides data logging, highly detailed data display, customizable flow, volume, pressure charts and reporting of results.

The new standard for ventilator calibration

Digital ultrasound is the most simple and accurate method for testing ventilators. It generates highly accurate measurements of medical ventilation parameters with real time pressure, flow and volume waveforms displayed on a PC screen for offline analysis, calibration and recording.



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FEATURES

- Low resistance digital multipath acoustic flow monitor
- Bi-directional flow monitoring
- High resolution piezoresistive monolithic silicone pressure sensor
- Simple, rapid and accurate ventilator testing
- New standards of flow accuracy ± 2.5%
- Automatic calibration for pressure, temperature and humidity (optional)
- No moving parts or consumables
- Standalone operation with touchscreen interface
- USB connection to PCs for archiving and analysis

SPECIFICATION

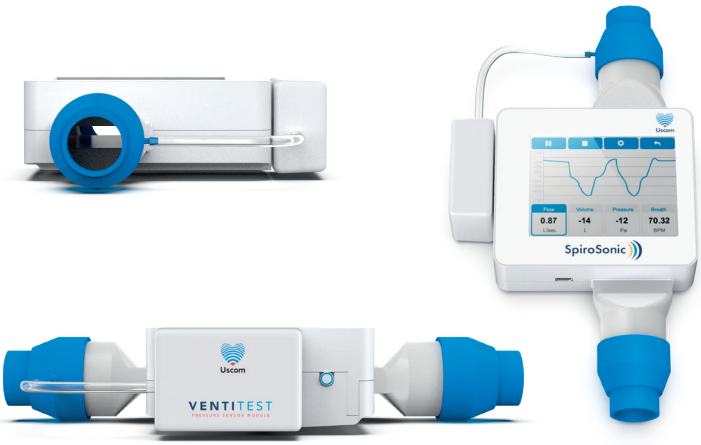
Sensor Tube Diameter	15- 22 mm as required
Flow accuracy	± 2 mL/sec or 2.5% of reading
Flow Range	± 700 L/min
Pressure Range	± 250 cmH_2O
Sampling Rate	100 Hz
Interface type	USB
Device Weight	300 g
Device Dimensions	80 x 120 x 35 mm
Power Supply	Internal 1800mAh 3.7V rechargeable Li-Ion battery (5 hours of operation)
Charger	500mA 5V miniUSB type B

Displayed parameters

Instantenous flow, Peak inspiratory flow, Peak expiratory flow, Peak inspiratory : Peak expiratory flow ratio, Tidal inspiratory volume, Tidal expiratory volume, Inspiratory minute volume, Expiratory minute volume, Instantenous pressure, Minimum pressure, Peak inspiratory pressure, Peak expiratory pressure, Breath rate (BPM), Inspiration time, Expiration time, Insp.:Exp. ratio

VENTITEST-S

An innovative software solution that provides a digital readout of ventilator outputs of flow, pressure and volume with 16 calculated cycle parameters that guide optimization of ventilator performance. Measured data can be logged into .csv format for additional analysis.



VENTITEST Test Lung

Provides nominal levels of resistance and compliance as well as a variable leak function to simulate a patient circuit leak.

Leading flow sensor technologies

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