



Advanced  
**spirometry**,  
Advanced **care**.



**In response to the current Coronavirus pandemic, Uscom developed a new kind of product.**

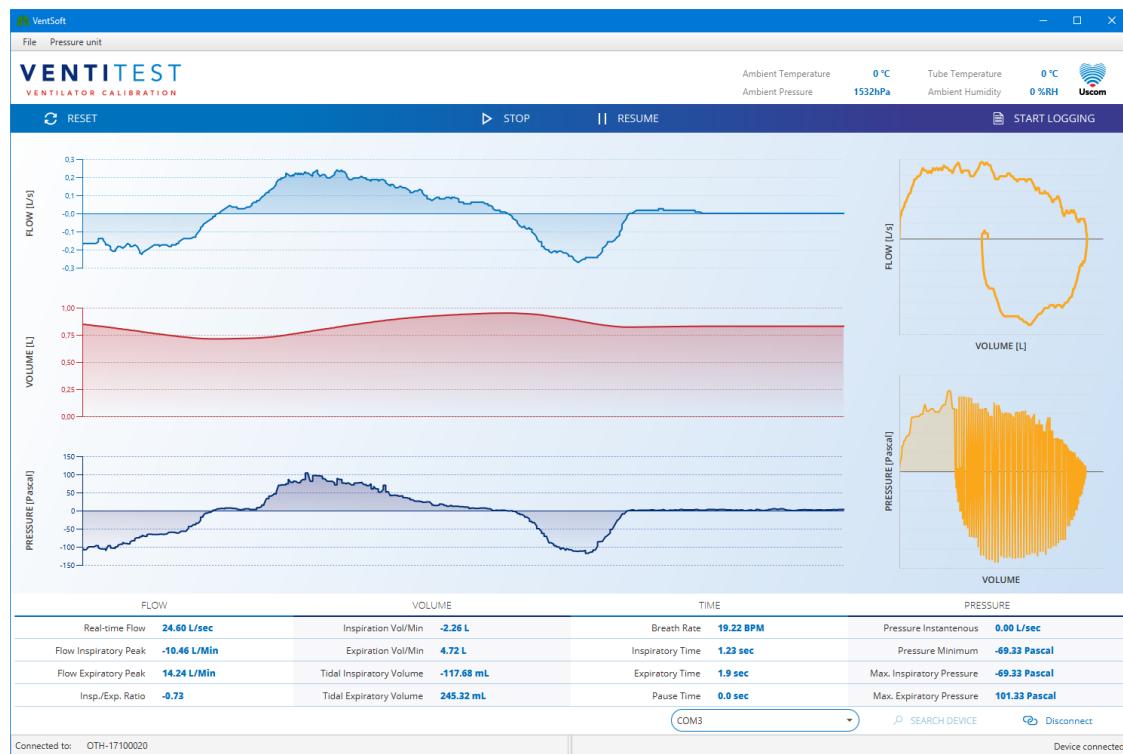
The VENTITEST device was developed from Uscom's digital ultrasonic spirometry technology in Uscom's R&D centre in Budapest to meet the rapidly increasing demand for accurate ventilator calibration. Ventilator sales have dramatically increased for installation in critical care units worldwide to assist management of severe cases of COVID-19 and other infectious diseases.

**The VENTITEST provides high fidelity, simple and precise measurement of the flow, pressure and volume outputs of respiratory assist devices such as ventilators, anaesthesia devices, and home ventilations systems such as CPAP, and respiratory drug administration systems.** These devices simply pump a prescribed flow of air, gas and medications into the lungs when natural breathing is impaired or needs support. With use the devices "slip" and require daily, weekly, monthly or annual calibration depending on the technology and the accuracy required of the device.



**Uscom's VENTITEST-S software that accompanies the device provides archiving, display, and analysis of flow, pressure, and volume waveforms with extended calculations, data logging and test report generation and printing.**

Current test devices predominantly use differential pressure, turbine or thermopile technology but the VENTITEST is the first digital ultrasonic calibration device. Digital multi-path ultrasound has a resolution in the order of 2.5% for flow measurement, and combined with multiple piezoresistive monolithic silicon pressure sensors and on-board ambient pressure, temperature and humidity sensors provide the optimal and most stable flow, pressure measurement and calibration technology.



For further information, prices and delivery times please contact us.

[SpiroSonic website](#)



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