Knowledge Beyond Measure.

The Leader in Performance Ventilation Measurements

Ventilation Test Instruments

The Most Repeatable Particle Emissions Measurements

Monitor Indoor Environments
TSI® ventilation test instruments are designed to accurately and reliably measure a wide array of parameters critical to investigating indoor environments. Typical measurements include air velocity, flow, temperature, humidity, pressure and CO_2. TSI® instruments are optimized for ease-of-use, yet offer an array of advanced capabilities including data logging.

Rugged and Reliable
Since we introduced our first portable meter in 1973, TSI® has been a recognized leader in ventilation test instruments, providing precise measurement you can count on.

Easy and Worry Free
TSI meters enhance your effectiveness on the job site. Large displays are easy to read. Operation is fast and simple. Want a measurement? Just push the button.

Incredible Convenience
TSI's multi-parameter instruments help you avoid the cost and inconvenience of buying a probe for each measurement. For example, the VelociCalc® Multi-Function Ventilation Meter measures velocity, temperature, humidity and flow with the push of a button. And, with "plug and play" probes, you can conveniently upgrade your instrument.

We set the standard for fast, accurate and reliable ventilation test results.

Outperforms Other Ventilation Test Instruments

Our high performance air velocity meters, micromanometers, capture hoods and indoor air quality meters are in a class by themselves; they do not compete with disposable instruments. Based on a feature comparison, TSI instruments meet or beat our competitors.

Features	Benefits
Substantially better accuracy at low flows and throughout a wide dynamic range	Improved performance on critical applications, resulting in reliable information
Best-in-class data management (logging and downloading for reports) as indicated by customers and distributors	User generated reports help you solve problems, saving time and money
Fast turnaround calibration and repair service with exceptional customer support	The quicker you get your instrument back, the greater your peace of mind and effectiveness

Your Reports Never Looked So Good!

TSI's data logging instruments are easy to configure to make calculations, generate test statistics, and store readings.

LogDat2™ Downloading Software quickly downloads test data to a PC. Downloaded data makes it easy for you to create professional reports for your clients.

Ventilation Solutions from TSI®

VelociCalc® Multi-Function Ventilation Meters

Model 9565

- Accurate air velocity measurement
- Simultaneously measures air velocity, flow, temperature, humidity and pressure
- Large graphic display—5 parameters shown at the same time
- Optional "plug and play" plug-in probes available, including CO_2, VOC (volatile organic compounds), and Rotating Vanes
- Manual or continuous data logging with time and date stamp
- LogDat2™ downloading software
- TrakPro™ data analysis software generates reports
- User named test IDs
- Bluetooth®* printer capability
- Fast calibration and repair service—just send in the probe
- Available with optional articulating probe

*Bluetooth function is not available in Asia Pacific countries.

Model 9565

VelociCalc® Air Velocity Meters

Models 9535, 9545

- High accuracy over a wide velocity range
- Measures air velocity, flow and temperature
- Model 9545 adds humidity measurement
- Calculates flow rate in duct from velocity and user-input duct size and shape
- Data logging and LogDat2™ downloading software
- Available with optional articulating probe

Model 9535

VelociCalc® Air Velocity Meters

Model 9515

- Measures air velocity and temperature
- Large, easy-to-read display
- Features 40-inch telescoping straight probe

Model 9515

VelociCalc® Rotating Vane Anemometers

Model 5725

- Measures air velocity and temperature
- Features 4-inch (100-mm) diameter rotating vane head
- Provides single area measurement when sweep mode is used
- Calculates flow rate from velocity and user-input "free area"
- Calculates minimum, maximum, and average velocity, temperature and flow

Model 5725

Ventilation Solutions from TSI®

AccuBalance® Air Capture Hood

Model 8380

- Ergonomic design and ultra light weight for easy one-person operation
- Automatically senses and displays supply or return flows, saving time on the job
- Back pressure compensation ensures accurate readings
- Multiple hood sizes available for easy, cost effective use across multiple jobs
- Detachable digital micromanometer offers flexibility to use in multiple applications
- Capture hood stand available
- Works with LogDat™ Mobile remote reader and data logger software for Android™ devices.

Model 8380 - shown with standard and optional accessories

Micromanometer

Model 8715

- Accurately measures differential and static pressure
- Auto-zeroing pressure sensor
- Wide measurement range of -15 to +15 in. H_2O (-3,735 - 3,735 Pa)
- Automatic conversion of actual and standard velocity and flow
- Flow rate calculation
- Integrated duct traverse application

Model 8715 - shown with standard and optional accessories

IAQ-Calc™ Indoor Air Quality Meters

Models 7515, 7525, 7545

- Fast, accurate measurements in a single probe
- Model 7515 measures carbon dioxide (CO_2) only
- Models 7525 and 7545 simultaneously measure and data log CO_2, temperature and humidity, and calculate % outside air
- Model 7545 also measures carbon monoxide (CO)
- LogDat2 downloading software included (except Model 7515)

DP-Calc™ Micromanometers

Models 5815, 5825

- Measures differential and static pressure from -15 to +15 in. H_2O
- Calculates velocity when used with Pitot tube
- Quick zero function ensures accurate readings
- Performs flow rate calculations from user-input duct size or K-factor (Model 5825)
- Data logs with time and date stamp (Model 5825)
- LogDat2™ downloading software (Model 5825)

Air Velocity Transducers

Models 8455, 8465, 8475

- Accurately measures air velocity using thermal anemometry
- Available in multiple sensor styles
- Field-selectable velocity ranges
- Optional Model 8495 Display and Monitor gives digital readout plus user-selectable alarms

Model 8455

Parameters and Features Chart

The Chart Below is a Guide for Selecting an Instrument to Best Fit Your Measurement Needs.

	Model	Air Velocity	Temperature Reading	Flow Rate	Differential Pressure	Humidity, %RH, Dew Point, Wet Bulb	% Outside Air	CO_2 (Carbon Dioxide)	CO (Carbon Monoxide)	VOC (Volatile Organic Compounds)	Density Correction	K-factor	Data Logging/ Down-loading	Review Data	Statistic	Variable Time Constant	Field Calibration Adjustment	Blue-tooth	Back-lit Display	Optional Plug-In Probes
	9515	T	■																	
	9535	T	■	T							■		■	■	■	■	■		■	
	9535-A[1]	T	■	T							■		■	■	■	■	■		■	
VelociCalc®	9545	T	■	T		■					■		■	■	■	■	■		■	
	9545-A[1]	T	■	T		■					■		■	■	■	■	■		■	
	9565	T, P	■	T, P, C	■	■	□	□	□	□	■	■	■	■	■	■	■	■	■	■
	9565-A[1]	T, P	■	T, P, C	■	■	□	□	□	□	■	■	■	■	■	■	■	■	■	■
VelociCalc® Rotating Vane	5725	R	■	R									■	■	■	■	■		■	
	8455	T														■				
Air Velocity Transducers	8465	T														■				
	8475	T														■				
AccuBalance®	8371			D								■				■	■		■	
	8380[2]	P	■	D, P, C	■	□					■	■	■	■	■	■	■	■	■	■
	8715	P	□	P, C	■	□					■	■	■	■	■	■	■	■	■	■
DP-Calc	5815	P			■															
	5825	P		P, C	■						■	■	■	■	■	■	■		■	
	7515							■							■	■	■			
IAQ-Calc	7525		■			■	■	■					■	■	■	■	■		■	
	7545		■			■	■	■	■				■	■	■	■	■		■	

All instruments include a free NIST or EAL Certificate of Calibration. [1]Articulating Probe [2]Back Pressure Compensated

■ = Standard Feature
T = Thermal Anemometer
P = Pitot Tube Reading
C = Calculated from Differential Pressure
R = Rotating Vane Anemometer
□ = Optional
D = Direct Reading

Optional Probes for VelociCalc® 9565 Series

Model	Probe Description
960	Air Velocity and Temperature, straight probe
962	Air Velocity and Temperature, articulating probe
964	Air Velocity, Temperature, and Humidity, straight probe
966	Air Velocity, Temperature, and Humidity, articulating probe
995	100 mm (4 in.) Rotating Vane probe
792	Surface Temperature probe
794	Air Temperature probe
980	Indoor Air Quality probe, CO_2, Temperature, Humidity
982	Indoor Air Quality probe, CO_2, Temperature, Humidity, CO
984	Low Concentration (ppb) VOC and Temperature
985	High Concentration (ppm) VOC and Temperature
986	Low Concentration (ppb) VOC, Temperature, CO_2, and Humidity
987	High Concentration (ppm) VOC, Temperature, CO_2, and Humidity

Knowledge Beyond Measure.

TSI Incorporated - Visit our website **www.tsi.com** for more information.

USA Tel: +1 800 874 2811
UK Tel: +44 149 4 459200
France Tel: +33 1 41 19 21 99
Germany Tel: +49 241 523030
India Tel: +91 80 67877200
China Tel: +86 10 8219 7688
Singapore Tel: +65 6595 6388

P/N 2980569 Rev H Printed in U.S.A.