

Parameters and Features Chart

The chart below is a guide for selecting an instrument to best fit your measurement needs.

	Model	Data Logging/Downloading	Air Velocity	Temperature Reading	Flow Rate	Differential Pressure	Humidity, %RH, Dew Point, Wet Bulb	% Outside Air	CO ₂ (Carbon Dioxide)	CO (Carbon Monoxide)	Density Correction	K-factor	Review Data	Statistic	Variable Time Constant	Field Calibration Adjustment	Printer Output	Back-lit Display	Optional Plug-In Probes
VELOCICHECK	9515		T	•															
	9525 ¹		T												•				
VELOCICALC	9535	•	T	•	T						•		•	•	•	•	•	•	
	9535-A ²	•	T	•	T						•		•	•	•	•	•	•	
	9545	•	T	•	T		•				•		•	•	•	•	•	•	
VELOCICALC	9545-A ²	•	T	•	T		•				•		•	•	•	•	•	•	
	9555	•	T, P	•	T, P, ³	•	•	0	0	0	•	•	•	•	•	•	•	•	•
VELOCICALC Rotating Vane	9555-A ²	•	T, P	•	T, P, ³	•	•	0	0	0	•	•	•	•	•	•	•	•	•
	5725	•	V	•	V						•		•	•	•	•	•	•	
Air Velocity Transducers	8455		T												•	•			
	8465		T												•	•			
	8475		T												•	•			
ACCUBALANCE	8371				D										•	•	•	•	
	8372	•		•	D						•	•	•	•	•	•	•	•	
	8373 ³	•		•	D						•	•	•	•	•	•	•	•	
	8375	•	P	•	D, P, ³	•	0				•	•	•	•	•	•	•	•	•
DP-CALC	8710	•	P	•	P, ³	•	0				•	•	•	•	•	•	•	•	•
	5815	•	P			•					•	•	•	•	•	•	•	•	
	5825	•	P		P, ³	•					•	•	•	•	•	•	•	•	
IAQ-CALC	7515								•										P, ³
	7525	•		•			•	•	•						•	•	•	•	
	7535	•					•	•	•						•	•	•	•	
	7545	•		•			•	•	•	•					•	•	•	•	
Q-TRAK	7565	•	0	•	0		•	•	•					•	•	•	•	•	
TH-CALC	7415			•			H, WB								•	•			
	7425	•		•			•										V	•	

All instruments include a NIST Calibration certificate at no additional charge ¹Intrinsically Safe ²Articulating Probe ³Back Pressure Compensation

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 Rotating Vane probe
968	Draft and Comfort probe
972	Surface Temperature probe
974	Air Temperature probe
980	Indoor Air Quality probe
982	Indoor Air Quality probe, with CO

TSI is an industry leader in the design and production of precision measurement instruments. With headquarters based in the US, field offices throughout Europe and Asia and product distribution in 30 countries worldwide, TSI has set a global standard in particle measurement. Measurement problems in a variety of environments are solved with research backed by major universities, field testing and forward thinking. By fostering this standard of innovation and development, TSI's over 400 employees turn research into reality.

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TSI Incorporated - 500 Cardigan Road, Shoreview, MN 55126-3996 USA			
USA	Tel: +1 800 874 2811	E-mail: info@tsi.com	Website: www.tsi.com
UK	Tel: +44 149 4 459200	E-mail: info@tsi.co.uk	Website: www.tsiinc.co.uk
France	Tel: +33 491 95 21 90	E-mail: tsifrance@tsi.com	Website: www.tsiinc.fr
Germany	Tel: +49 241 523030	E-mail: tsigmbh@tsi.com	Website: www.tsiinc.de
Sweden	Tel: +46 8 595 13230	E-mail: tsiab@tsi.com	Website: www.tsi.se
India	Tel: +91 80 41132470	E-mail: tsi-india@tsi.com	
China	Tel: +86 10 8260 1595	E-mail: tsi-beijing@tsi.com	

The Leader in Performance Ventilation Measurements




TRUST. SCIENCE. INNOVATION.

Professional Measurement Solutions that Save More than Just Time and Money



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 CO₂. 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 probes 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.

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 new 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.

We set the standard for Fast, Accurate and Reliable Ventilation Test Results

3 ENERGY AND COMFORT
Ventilation Test Instruments



Ventilation Solutions from TSI



Model 9555

VELOCICALC® Multi-Function Ventilation Meters

Models 9555 Series

- ✦ 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 CO₂ 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



Model 9535

VELOCICALC® Air Velocity Meters

Models 9535, 9545

- ✦ High accuracy over a wide velocity range
- ✦ Measures air velocity, flow volume 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 9515

VELOCICHECK® Air Velocity Meters

Model 9515

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



Model 5725

VELOCICALC® Rotating Vane Anemometers

Model 5725

- ✦ Measures air velocity and temperature
- ✦ Features 4-inch (101-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 volume



Ventilation Solutions from TSI



Model 8375

ACCUBALANCE® Air Capture Hoods

Models 8371, 8375

- ⊕ Accurate direct air flow readings
- ⊕ Ergonomic design and ultra light weight for easy one person operation
- ⊕ Multiple hood sizes available
- ⊕ Free certificate of calibration
- ⊕ Detachable digital micromanometer for use in other applications (Model 8375)
- ⊕ Use with optional Pitot, temperature and humidity probes (Model 8575)
- ⊕ Data logging and downloading software (Model 8375)



Model 8710

DP-CALC™ Micromanometer

Model 8710

- ⊕ Accurately measures pressure, velocity (with Pitot), and flow
- ⊕ Auto-zeroing ensures accurate measurement
- ⊕ Optional velocity matrix makes it easy to measure filter face velocities and laminar flows
- ⊕ Data logging and downloading software

DP-CALC™ Micromanometers

Models 5815, 5825

- ⊕ Measures differential and static pressure from -15 to +15 in. H₂O
- ⊕ Calculates velocity when used with Pitot tube
- ⊕ Quick zero function ensures accurate reading
- ⊕ 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)

Model 5825



Model 7545

IAQ-CALC™ Indoor Air Quality Meters

Models 7525, 7545

- ⊕ Features fast, accurate measurement of the IAQ Parameter in a single probe
- ⊕ Measures CO₂, temperature and humidity (Model 7545 adds CO)
- ⊕ Displays multiple parameters simultaneously
- ⊕ Calculates percentage outside air from CO₂ or temperature
- ⊕ Records data samples and calculates statistics
- ⊕ LogDat2™ downloading software

TH-CALC™ Thermohygrometers

Models 7415, 7425

- ⊕ Cost effective meter for thermal comfort studies
- ⊕ Reliably measures temperature, humidity and wet bulb
- ⊕ Calculates percentage outside air (Model 7425)
- ⊕ Data logging and LogDat2™ downloading software (Model 7425)

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

