

# VELOCICHECK®

Air Velocity Meters

## Model 8330 and 8340

TSI's line of VELOCICHECK® Air Velocity Meters provides a reliable, accurate and easy way to make air velocity measurements. The VELOCICHECKS are small, pocket sized meters that require no training; just pick up the meter and start taking readings. These meters provide a cost-effective way to quickly take the measurements you need.

### Model 8330 Features

- Extended velocity range of 0 to 20.00 m/s
- Temperature range of -18 to 93°C
- Easy to read digital display
- Slow and fast time constant modes available to smooth the display when measuring fluctuating flows
- 94.0 cm telescoping probe provides exceptional convenience in difficult situations
- Includes a battery check that monitors battery level to ensure accurate readings
- NIST\* traceable calibration certificate

### Model 8340 Features

- Listed by Underwriters Laboratories as intrinsically safe for use in hazardous locations for Divisions 1 and 2 in Class 1, Groups C and D; Class II, Groups E, F and G; and Class III
- Velocity range of 0 to 10.00 m/s
- Easy to read digital display
- Slow and fast time constant modes available to smooth the display when measuring fluctuating flows
- Includes a battery check that monitors battery level to ensure accurate readings
- NIST\* traceable calibration certificate



# Models 8330 and 8340 VELOCICHECK

## Specifications

### Velocity (Model 8340):

Range: 0 to 10.00 m/s (0 to 2,000 ft/min)  
 Accuracy<sup>1</sup>: 5.0% of reading or ± 0.025 m/s  
 (±5 ft/min) whichever is greater

### Velocity (Model 8330):

Range: 0 to 20.00 m/s (0 to 4,000 ft/min)  
 Accuracy<sup>2</sup>: 5.0% of reading or ± 0.025 m/s  
 (±5 ft/min) whichever is greater

### Temperature (Model 8330):

Range: -18 to 93°C (0 to 200°F)  
 Resolution: 1°C (1°F)  
 Accuracy: ±1°C (±1°F)

### External Meter Dimensions (all models):

Size Measurements: 70 mm × 33 mm × 132 mm  
 (2.75 in. × 1.3 in. × 5.2 in.)

### Meter Probe Type (Model 8330):

Description: Detached telescoping  
 Material: Nickel-plated brass and stainless steel

### Meter Probe Type (Model 8340):

Description: Retractable  
 Material: Stainless steel

### Meter Probe Dimensions (Model 8330):

Probe Length: 94.0 cm (37 in.) telescopic  
 Probe Diameter of Tip: 6.0 mm (0.236 in.)  
 Probe Diameter of Base: 10.03 mm (0.395 in.)

### Meter Probe Dimensions (Model 8340):

Probe Length: 79 mm (3.1 in.) length when  
 extended  
 Probe Diameter: 6.4 mm (0.25 in.)

### Operating Temperature Range (Model 8330):

Instrument: 0 to 60°C (32 to 149°F)  
 Probe: -18 to 93°C (0 to 200°F)

### Operating Temperature Range (Model 8340):

Instrument: 0 to 50°C (32 to 122°F)  
 Probe: 0 to 50°C (32 to 122°F)

### Battery Life (Model 8330):

Time: Minimum 10 hours at 0.5 m/s  
 (100 ft/min) using alkaline batteries

### Battery Life (Model 8340):

Time: Minimum 20 hours at 0.5 m/s  
 (100 ft/min) using alkaline batteries

### Display (all models):

Type: Digital  
 Description: 4 1/2 digits, 10 mm (0.4 in.) high

### Time Constant (all models):

Available Modes: Fast mode = 3-second averaging  
 Slow mode = 12-second averaging

### Power (Model 8330):

Requirements: Four AA-size batteries, nickel  
 cadmium or alkaline (provided)

### Power (Model 8340):

Requirements: Four AA-size alkaline only  
 (provided)

### Safety Rating (Model 8340):

UL listed intrinsically safe for use in hazardous locations for  
 Divisions 1 and 2 in Class I, Groups C and D; Class II, Groups  
 E, F and G; and Class III when used with alkaline batteries.

### Standard Equipment (all models):

Free certificate of NIST\* traceability, operation and service  
 manual, four size AA alkaline batteries and hard-shell carrying case.

Specifications are subject to change without notice.  
 Specifications in parentheses ( ) indicates metric equivalents.

	Velocity Range 0 to 10.00 m/s	Velocity Range 0 to 20.00 m/s	Temperature	Digital Display	Time Constant	NIST* Calibration Certificate	Intrinsically Safe
<b>8330</b>		●	●	●	●	●	
<b>8340</b>	●			●	●	●	●

\*U.S. National Institute of Standards and Technology

<sup>1</sup> The accuracy statement of 5.0% of reading or ±.025 m/s (±5 ft/min) begins at 0.13 through 10.00 m/s (25 ft/min through 2000 ft/min)

<sup>2</sup> The accuracy statement of 5.0% of reading or ±.025 m/s (±5 ft/min) begins at 0.13 through 20.00 m/s (25 ft/min through 4000 ft/min)



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