

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)
 Accuracy¹: 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)
 Accuracy²: 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: $\pm 1^\circ\text{C}$ ($\pm 1^\circ\text{F}$)

External Meter Dimensions (all models):

Size Measurements: 70 mm \times 33 mm \times 132 mm
 (2.75 in. \times 1.3 in. \times 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
8330		●	●	●	●	●	
8340	●			●	●	●	●

*U.S. National Institute of Standards and Technology

¹ The accuracy statement of 5.0% of reading or ± 0.025 m/s (± 5 ft/min) begins at 0.13 through 10.00 m/s (25 ft/min through 2000 ft/min)

² The accuracy statement of 5.0% of reading or ± 0.025 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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