

Multi-Function Ventilation Meter TSI

VelociCalc 9600 / 9630 / 9650

Measures velocity, temperature, humidity, differential pressure, barometric pressure and has inputs for two K alloy thermocouples. Includes a straight, telescopic probe and data logging.

SPECIFICATIONS

Velocity (Pitot probe, Model 9630 and 9650):

- . Range: 250 to 15,500 ft/min (1.27 to 78.7 m/s)
- . Accuracy: $\pm 1.5\%$ at 2,000 ft/min (10.16 m/s)
- . Resolution: 1 ft/min (0.01 m/s)

Duct Size:

- . Dimensions: 1 to 500 inches in increments of 0.1 in. (2.5 to 1,270 cm in increments of 0.1 cm)

Volumetric Flow Rate:

- . Range: Actual range is a function of velocity, pressure, duct size, and K factor

Static/Differential Pressure (Models 9630 and 9650):

- . Range: -15 to +15 in. H₂O (-28.0 to +28.0 mm Hg, -3,735 to +3,735 Pa)
- . Accuracy: $\pm 1\%$ of reading ± 0.005 in. H₂O (± 0.01 mm Hg, ± 1 Pa)
- . Resolution: 0.001 in. H₂O (0.1 Pa, 0.01 mm Hg)

Barometric Pressure:

- . Range: 20.36 to 36.648 in. Hg (517.15 to 930.87 mm Hg)
- . Accuracy: $\pm 2\%$ of reading

Instrument Temperature Range:

- . Operating (Electronics): 40 to 113°F (5 to 45°C)
- . Storage: -4 to 140°F (-20 to 60°C)

Data Storage Capabilities:

- . Range: 200 test IDs/162,200 samples (a sample is 1 or more measurements)

Sample Interval:

1 second to 1 hour

Time Constant:

1, 5, 10, 20, 30, 60, 90 seconds

External Meter Dimensions:

3.2 in. x 9.5 in. x 1.6 in. (8.1 cm x 24.1 cm x 4.1 cm)

Meter Weight with Batteries:

0.9 lbs (0.41 kg)

Power Requirements:

Four AA-size batteries or AC adapter

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VelociCalc 9565

To Order

9600: Includes the meter, carrying case, 4 AA alkaline batteries, USB cable, owner's manual and calibration certificate

9600: with 980 probe

9600: with 982 probe

9600: with 995 probe

9600: with 960 probe

9600: with 962 probe

9630: Includes the meter, carrying case, 4 AA alkaline batteries, USB cable, one static pressure probe, 8 ft. (2.4 m) tubing, owner's manual and calibration certificate

9630: with 982 probe

9630: with 964 probe

9630: with 966 probe

9650: Includes the meter, carrying case, 4 AA alkaline batteries, USB cable, one static pressure probe, 8 ft. (2.4 m) tubing, owners manual and calibration certificate

9650: with 964 probe

9650: with 966 probe

9650-NB: Includes the meter, carrying case, 4 AA alkaline batteries, USB cable, one static pressure probe, 8 ft. (2.4 m) tubing, owners manual and calibration certificate

9650-NB: with 964 probe

9650-NB: with 966 probe



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Probe Specifications

Model	Description	Range	Accuracy	Resolution
960	Thermoanemometer Telescopic Straight Probe Velocity and Temperature	0 to 9,999 ft/min (0 to 50 m/s) 0 to 200°F (-18 to 93°C)	±3% of reading or ±3 ft/min (±0.015 m/s), whichever is greater ^{MS} ±0.5°F (±0.3°C) ^F	1 ft/min (0.01 m/s) 0.1°F (0.1°C)
962	Thermoanemometer Telescopic Articulating Probe Velocity and Temperature	0 to 9,999 ft/min (0 to 50 m/s) 0 to 200°F (-18 to 93°C)	±3% of reading or ±3 ft/min (±0.015 m/s), whichever is greater ^{MS} ±0.5°F (±0.3°C) ^F	1 ft/min (0.01 m/s) 0.1°F (0.1°C)
964	Thermoanemometer Telescopic Straight Probe Velocity, Temperature and Humidity	0 to 9,999 ft/min (0 to 50 m/s) 14 to 140°F (-10 to 60°C) 5 to 95% RH	±3% of reading or ±3 ft/min (±0.015 m/s), whichever is greater ^{MS} ±0.5°F (±0.3°C) ^F ±3% RH ^F	1 ft/min (0.01 m/s) 0.1°F (0.1°C) 0.1% RH
966	Thermoanemometer Telescopic Articulating Probe Velocity, Temperature and Humidity	0 to 9,999 ft/min (0 to 50 m/s) 14 to 140°F (-10 to 60°C) 5 to 95% RH	±3% of reading or ±3 ft/min (±0.015 m/s), whichever is greater ^{MS} ±0.5°F (±0.3°C) ^F ±3% RH ^F	1 ft/min (0.01 m/s) 0.1°F (0.1°C) 0.1% RH
995	Rotating Vane 4 in. (100 mm) Probe Velocity and Temperature	50 to 6,000 ft/min (0.25 to 30 m/s) 32 to 140°F (0 to 60°C)	±1% of reading ±4 ft/min (±0.02 m/s) ±2.0°F (±1.0°C)	1 ft/min (0.01 m/s) 0.1°F (0.1°C)
980	IAQ Probe CO ₂ Temperature and Humidity	0 to 5,000 ppm CO ₂ 5 to 95% RH 14 to 140°F (-10 to 60°C)	±3% of reading or ±50 ppm CO ₂ whichever is greater ^F ±3% RH ^F ±1.0°F (±0.5°C) ^F	1 ppm CO ₂ 0.1% RH 0.1°F (0.1°C)
982	IAQ Probe Model CO, CO ₂ Temperature and Humidity	0 to 500 ppm CO 0 to 5,000 ppm CO ₂ 5 to 95% RH 14 to 140°F (-10 to 60°C)	±3% of reading or ±3 ppm CO, whichever is greater ^F ±3% of reading or ±50 ppm CO ₂ whichever is greater ^F ±3% RH ^F ±1.0°F (±0.5°C) ^F	0.1 ppm CO 1 ppm CO ₂ 0.1% RH 0.1°F (0.1°C)
800220	Telescopic Air Temperature and Relative Humidity Probe	14 to 140°F (-10 to 60°C) 5 to 95% RH	±0.5°F (±0.3°C) ±3% RH	0.1°F (0.1°C) 0.1% RH
792	Thermocouple Surface Temperature Probe (Type K)	-40 to 1200°F (-40 to 650°C)	±0.1% of reading +4°F (±0.056% of reading +2.2°C)	0.1°F (0.1°C)
794	Thermocouple Air Temperature Probe (Type K)	-40 to 1200°F (-40 to 650°C)	±0.1% of reading +4°F (±0.056% of reading +2.2°C)	0.1°F (0.1°C)