



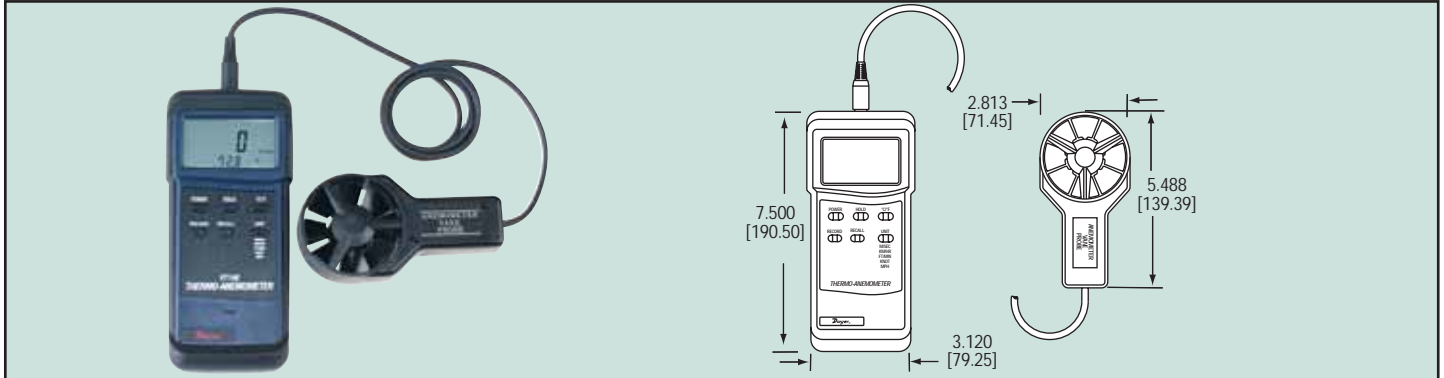
Model
VT140

Vane Thermo-Anemometer

Simultaneously Displays Air Velocity and Temperature, RS232 Output



Air Velocity



Measure airflow and temperature simultaneously with Model VT140 Vane Thermo-Anemometer. Remote probe is designed with twisted vane arms and low friction ball bearings for accurate airflow readings in low or high velocities. Microprocessor-based unit provides fast, reliable air velocity measurement in five different scales. Model VT140 features RS232 output, selectable °F or °C, Record/Recall minimum, maximum, and average readings, display hold, and automatic shut-off to preserve battery. The large 1.4" (3.5 cm), dual function LCD with contrast adjustment allows easy viewing at any angle. Unit includes rugged holster with stand, one 9V battery, and instruction manual.

VT140 Vane Thermo-Anemometer
VT140-N Vane Thermo-Anemometer with NIST

SPECIFICATIONS

Air Velocity Ranges: 80 to 4925 ft/m, 1.4 to 90.0 kph, 0.9 to 55.9 mph, 0.4 to 25.0 m/s, 1.9 to 38.8 knots.

Temperature Range: 32 to 140°F (0 to 60°C).

Accuracy: Air Velocity: ±2% + 1 digit, Temperature: 1.5°F (0.8°C).

Resolution: 10 ft/m, 0.1 kph, 0.1 mph, 0.1 m/s, 0.1 knots, 0.1°F, 0.1°C.

Temp. Sensor: Thermistor.
Temperature Limits: 32 to 122°F (0 to 50°C) max 80% RH.

Power Supply: One 9V battery.
Output: RS232 serial interface via 3.5 mm terminal.

Housing: ABS plastic.
Weight: 0.84 lb (381 g).
Agency Approval: CE.

APPLICATIONS

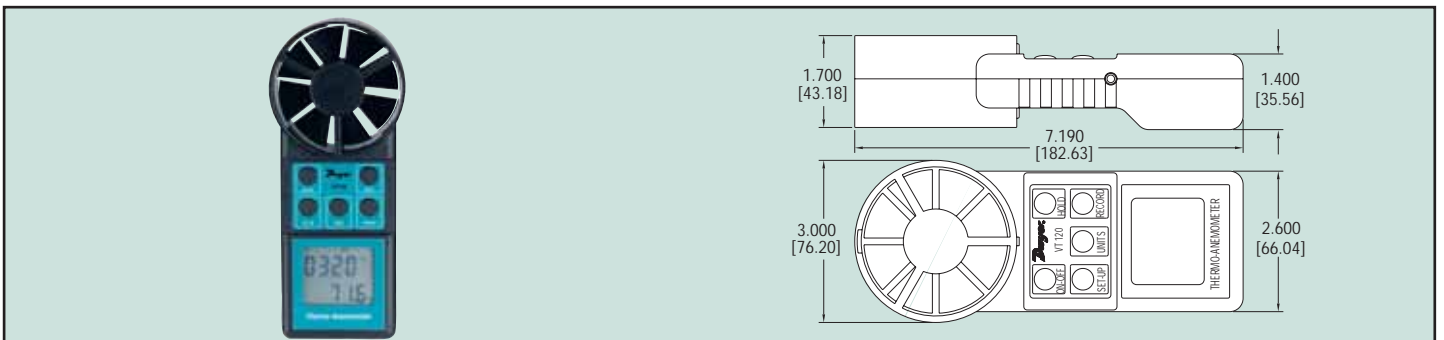
Airflow measurements in heating, ventilation, and air conditioning systems, air duct analysis, wind tunnel studies, or monitoring of process air.



Model
VT120

Integral Vane Thermo-Anemometer

Large 1 1/4" (Dual Display, One Hand Operation



Simultaneously measure air velocity and temperature with the Model VT120 Integral Vane Thermo-Anemometer. Easily view readings on the large 1.25" (31.75 mm) dual display. User-selectable air velocity ranges include ft/min, m/sec, mph, knots, and km/hr. Built-in thermistor records ambient temperature in °F or °C. Model VT120 features include data hold and record/recall minimum, maximum and average readings. Also, units have the ability to record and average up to 2 hours of data while displaying the continuous running average. If desired, sleep mode automatically shuts down the meter after 20 minutes of non-use. Model VT120 includes hard carry case, one 9V battery, and instruction manual.

Model VT120 Integral Vane Thermo-Anemometer
Model VT120-N includes NIST certification

SPECIFICATIONS

Air Velocity Ranges: 80 to 5900 ft/min, 0.4 to 30 m/sec, 0.9 to 68 mph, 0.8 to 58 knots, 1.4 to 108 km/hr.

Temperature Range: 14 to 122°F (-10 to 50°C).

Accuracy: Air velocity: ±3%, Temperature: ±1°F (±0.6°C).

Resolution: 1 ft/min, 0.01 m/sec, 0.1 mph, 0.1 knots, 0.1 km/hr, 0.1°F, 0.1°C.

Temperature Sensor: Thermistor.
Temperature Limits: 14 to 122°F (-10 to 50°C) max 80% RH.

Power Supply: One 9V battery.
Battery Life: 100 hours continuous (with 20 min sleep mode enabled).

Display: Large 1.25 x 1.62" (37 x 42 mm) LCD, 9999 count.

Housing: ABS plastic.
Sensor Diameter: 2.87" (70 mm).

Weight: 1.5 lb (680 g).
Agency Approvals: CE.

APPLICATIONS

Air duct measurement and analysis, fume hood analysis, ionizer flow output monitoring, positive pressure reading in clean rooms, or ventilation system inspection.