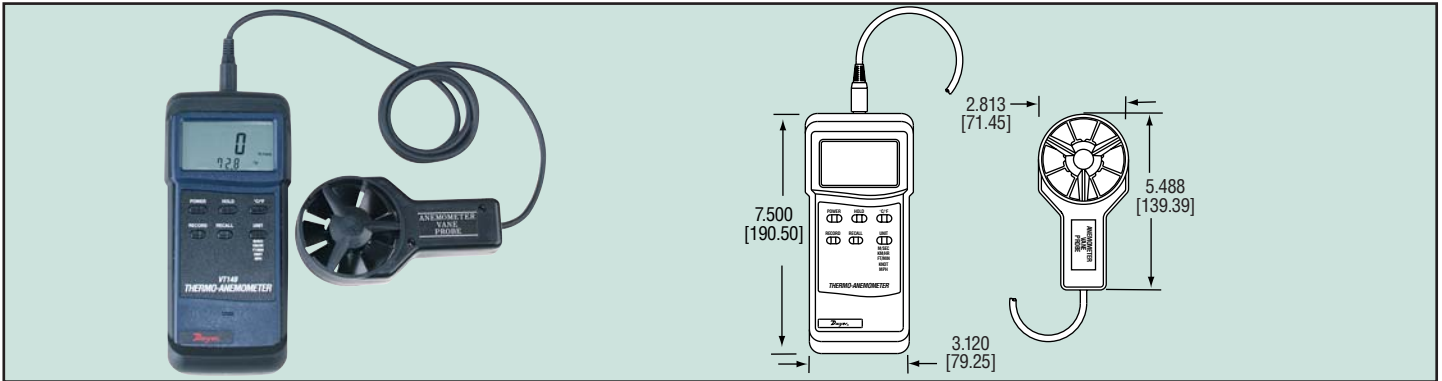# Dwyer®

Model VT140

Vane Thermo-Anemometer

Simultaneously Displays Air Velocity and Temperature, RS232 Output

CE

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.

STOCKED MODELS in bold
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 9 V 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.
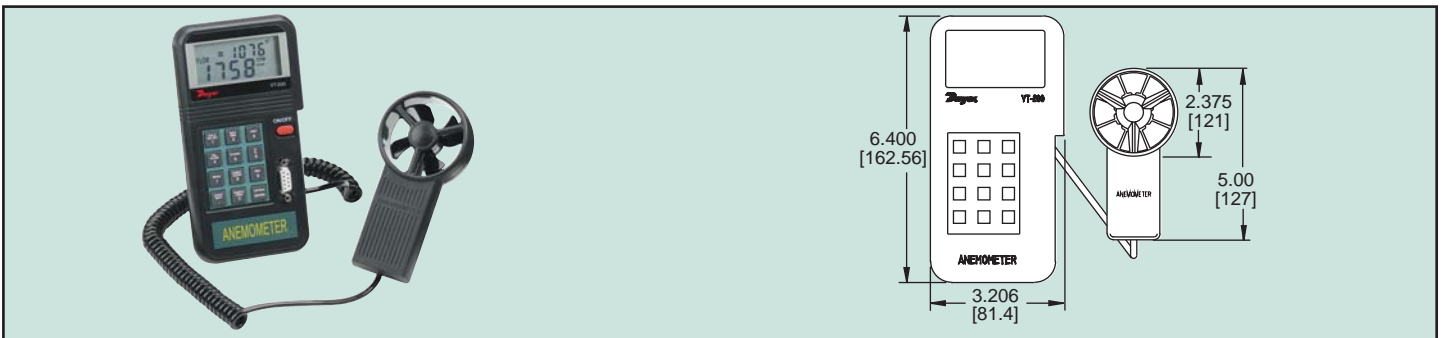

Dwyer®

Model VT-200

Vane Thermo-Anemometer

Measures Air Volume, Air Velocity, and Temperature, Built-in Datalogging

CE

Model VT-200 Vane Thermo-Anemometer is ideal for balancing air conditioning and heating ducts or checking the operation of fans and blowers. Model VT-200 measures air volume in cubic feet per minute and cubic meters per minute. Air velocity measurements can be viewed in ft/min, m/s, knots, km/hr, and mph with ±3% accuracy. The multifunction LCD can simultaneously display air velocity and tempertature in selectable units or air flow and air area. Built-in datalogger can store up to 1000 measurements or transfer the data to a PC via RS-232 communication. Additional features include data hold and record/recall minimum, maximum and average readings. Model VT-200 includes RS-232 interface, PC Windows™ software, cable, 9V battery, carrying case, and instruction manual.

STOCKED MODEL
Model VT-200 Vane Thermo-Anemometer . . . .

SPECIFICATIONS
Air Velocity Ranges: 0.3 to 45 m/s; 0.7 to 100 mph; 0.6 to 88.0 knots; 1 to 140.0 km/hr; 60 to 8,800 ft/min.

Temperature Range: 32 to 122°F (0 to 50°C).

Air Volume Ranges: CFM (ft³/min) or CMM (m³/min).

Accuracy: Air Velocity: ±3% of reading ± 0.1, whichever is greater; Temperature: ±1.5 °F (±0.8°C).

Resolution: 0.1 knots, m/s, km/hr, and mph; 0.1/1 ft/min; 0.1°C.

Temperature Sensor: Type K thermocouple.

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

Display: Dual line, 4-digit, 1.1" (27.9 mm) height.

Power: 9V alkaline battery (included). Battery Life: Approx. 50 hours.

Output: RS232 serial interface via DB9 female connector.

Housing: ABS plastic, 1″ (25mm) diameter.

Weight: 12.3 oz (350 g).

Agency Approval: CE.