

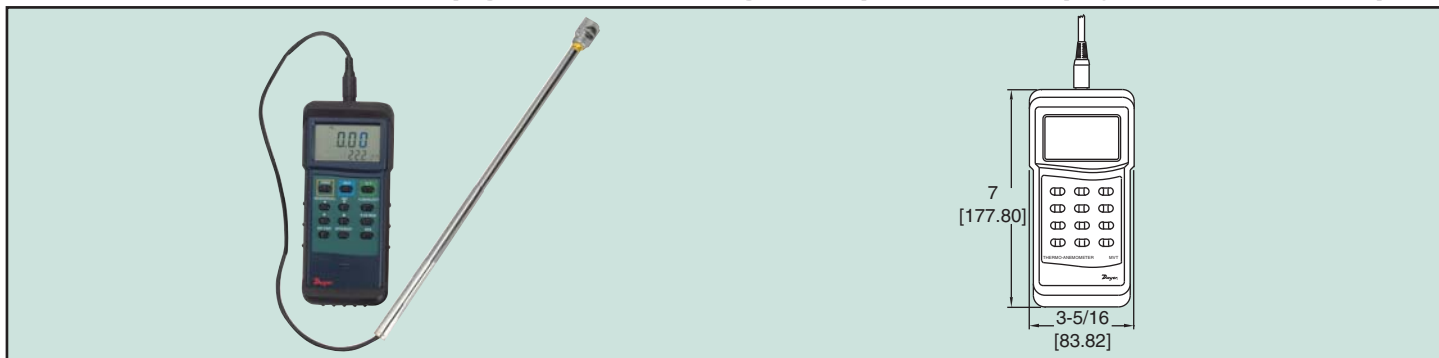


Series
MVT

Mini-Vane Thermo-Anemometer



Display Air Flow, Air Velocity and Temperature, Telescoping Mini-Vane, RS232 Output



Sense air velocity, air flow and temperature with the Series MVT Mini-Vane Thermo-Anemometer. The meter uses a 1/2" (12.7 mm) diameter metal telescoping antenna sensor to detect air flows up to 2358 ft/min and temperatures to 176°F (80°C). High accuracy is ensured with the low friction ball bearing mini-vane. Air flow can be measured in CMM (m³/min) or CFM (ft³/min) and temperature is selectable °F or °C. The MVT features a 4-digit LCD display, data hold, record/recall maximum and minimum, RS232 output, averaging up to 20 measurements, 2/3 the measured value and auto shut-off to prolong life. The unit includes telescoping mini-vane probe, hard case, 9V battery and protective rubber holster with stand.

MVT176 Mini-Vane Thermo-Anemometer
MVT176-N Mini-Vane Anemometer with NIST

Accessories

MVT07 Mini-Vane Anemometer Soft Case

SPECIFICATIONS

Air Velocity Ranges: 160 to 2358 ft/min; 1.8 to 26.8 mph; 1.6 to 23.3 knots; 0.8 to 12.00 m/s; 2.8 to 43.2 km/h.

Temperature Ranges: 32 to 176°F (0 to 80°C).

Accuracy: Air Velocity: ±2%; Temperature: 1.5°F (0.8°C).

Resolution: 1 ft/min; 0.1 mph; 0.1 knots; 0.01 m/s; 0.1 km/h; 0.001 to 100 CMM/CFM; 0.1 °F/°C.

Temperature Sensor: Thermistor.

Ambient Operating Temperature: Meter: 32 to 122°F (0 to 50°C); Sensor: 32 to 176°F (0 to 80°C).

Ambient Operating Humidity: Maximum 80% RH.

Display: Dual function 0.5" (13mm) 4-digit LCD.

Sampling Rate: 1 second approx.

Output: RS232 PC serial interface with 16-bit data stream output.

Power Requirements: 9V battery (included).

Auto Shut-off: 15 minutes to preserve battery life.

Housing: ABS Housing.

Telescoping Sensor Length: 23.6" (600mm) max. with 39" (1m) cable.

Weight: 1.6 lb (700 g) including battery and probe.

Agency Approval: CE.

Air Velocity



Model
PATH

PATH SUPER KIT

Complete Pressure, Air Velocity, Temperature & Humidity Measurement Kit

PATH Super Kit incorporates three of Dwyer's latest hand-held meters for pressure, air velocity, and temperature/humidity applications. The Series 477 Digital Manometer measures from 0-20 in. w.c. with ±0.5% F.S. accuracy and has nine field selectable units. The kit also includes a 36" SS telescoping Pitot tube, two static pressure tips and 9 ft. of rubber tubing for quick pressure measurements. The Series 485 Digital Hygrometer enables you to simultaneously read humidity and temperature on the 0.4" LCD. For air velocity, the Series 471 Digital Thermo-Anemometer measures up to 15,000 fpm or 70 mps as well as temperatures ranging from 0 to 200 °F or -17 to 100 °C. All instruments are fitted in an extra durable polyethylene case for transport convenience and heavy duty protection.

PATH

PATH-N with NIST calibration certificates (available only on 477-1 and 471-2)

Complete Kit Includes:

- Model 477-1FM Digital Manometer, range 0-20 in. w.c. (0.5 kPa)
- Model 471-2 Digital Thermo-Anemometer, 33" Adjustable Telescoping Tip
- Model 485-1 Digital Hygrometer, Simultaneously Displays % Relative Humidity and Temperature
- Model 166T, 36" Telescoping Stainless Steel Pitot Tube
- Two No. A-303 Static Pressure Tips with Magnetic Mounting
- Two 4½ Ft. Lengths ⅜" I.D. Rubber Tubing
- No. A-397 Step Drill for ⅜" - ½" Holes in ⅛" Increments
- No. A-532 AV Slide Chart
- Three 9V Battery
- Fitted Polyethylene Case, dimensions 17" x 142" x 42" (431.8 x 368.3 x 114.3 mm).

