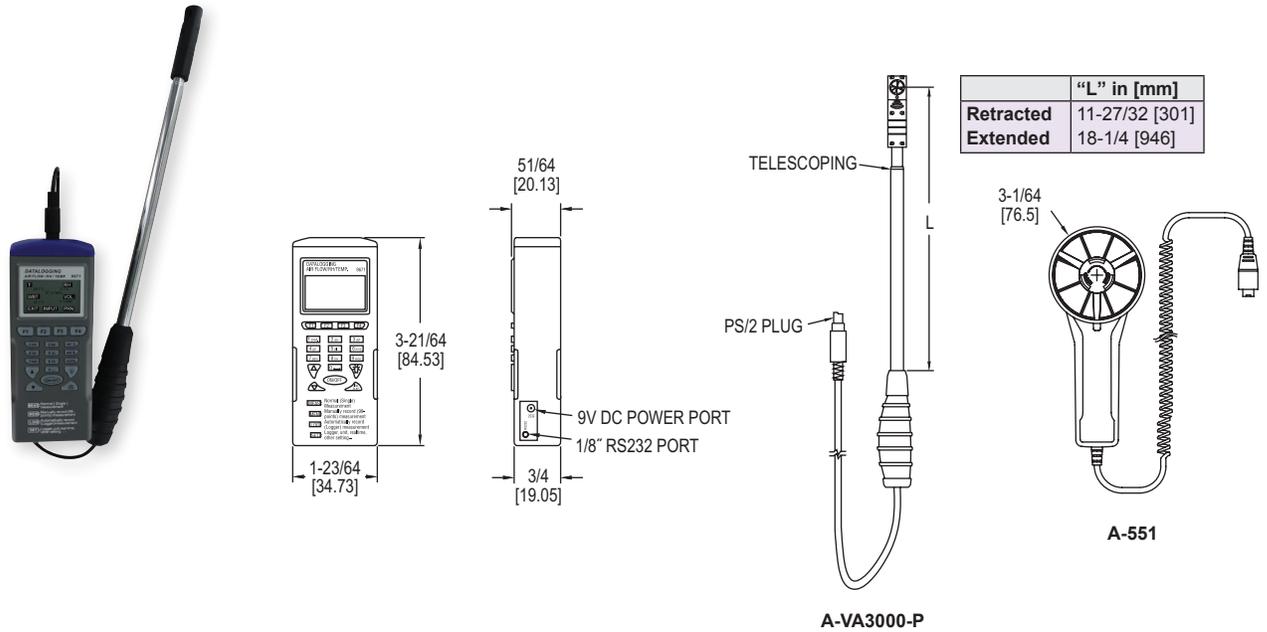


Dwyer

MODEL VT-300

MINIATURE VANE THERMO-ANEMOMETER

Telescoping Probe Measures Air Velocity, Air Volume, Temperature, and Humidity



The **MODEL VT-300** Miniature Vane Thermo-Anemometer measures air velocity, air volume, temperature, and humidity inside air ducts. This meter includes a telescoping vane probe that is only 0.7" (18 mm) in diameter that allows duct traverse measurements up to 20" ducts. User-selectable units include ft/min, m/s, knots, mph, and km/hr. The vane probe has a built-in sensor to record temperature in °F or °C, as well as humidity in %RH. There are three modes which include viewing data in real time, manual recording, and automatic recording. Model VT-300 can store measurements that can later be transferred to a PC via RS-232 communication. The vane probe is detachable for easy replacement, if necessary. Each unit is supplied with a hard carrying case, batteries, logging software CD, USB to RS-232 cable and instruction manual.

FEATURES/BENEFITS

- 3-in-1 parameters: Air Velocity/Flow, RH, and Temperature
- Telescopic probe for traversing ducts up to 20"
- Built-in data logging for paperless reporting
- Vane Anemometer offers wider application use vs pitot or hotwire
- Hard case, Batteries, and software included

APPLICATIONS

- Building commissioning
- Building HVAC test and balance
- Critical environment testing
- Industrial process verification
- Instrumentation validation

MODEL CHART

Model	Description
VT-300	Miniature vane thermo-anemometer

ACCESSORIES

Model	Description
A-VT300-P	Replacement probe with miniature vane
A-551	Replacement probe with large vane

SPECIFICATIONS**AIR VELOCITY**

Range: 98.4 to 3937 ft/min (0.5 to 20 m/s).

Accuracy: ±3% of reading + 0.2 m/s.

Resolution: 0.1 m/s.

Response Time: 1 s.

TEMPERATURE

Range: -4 to 140°F (-20 to 60°C).

Accuracy: ±1°F (±0.6°C) from -4 to 122°F (-20 to 50°C); ±2.2°F (±1.2°C) from 122 to 140°F (50 to 60°C).

Resolution: 0.1°F (0.1°C).

Response Time: 60 s (typ).

RELATIVE HUMIDITY

Range: 0.1 to 99.9% RH.

Accuracy: ±3% RH at 25°C (10 to 90% RH); ±5% RH (0.1 to 10% RH, 90 to 99.9% RH).

Resolution: 0.1% RH.

Response Time: 60 s (typ).

AIR VOLUME

Range: 0 to 99,999 (CFM or m³/s).

Resolution: 0.1 (0 to 9999.9) or 1 (10,000 to 99,999).

WET BULB

Range: -7.6 to 158°F (-22 to 70°C).

Resolution: 0.1°F (0.1°C).

METER

Temperature Limits: Operating: 32 to 122°F (0 to 50°C); Storage: -4 to 122°F (-20 to 50°C).

Humidity Limits: Operating: <80% RH; Storage: <90% RH.

Display: 1 x 1.8" (26 x 45 mm).

Serial Communications: 9600 bps, 8 data bits, no parity.

Power Requirements: (4) AAA 1.5 V alkaline batteries, included, user replaceable.

Battery Life: 100 hours.

Vane Diameter: 0.7" (18 mm).

Weight: 7.41 oz (210 g).