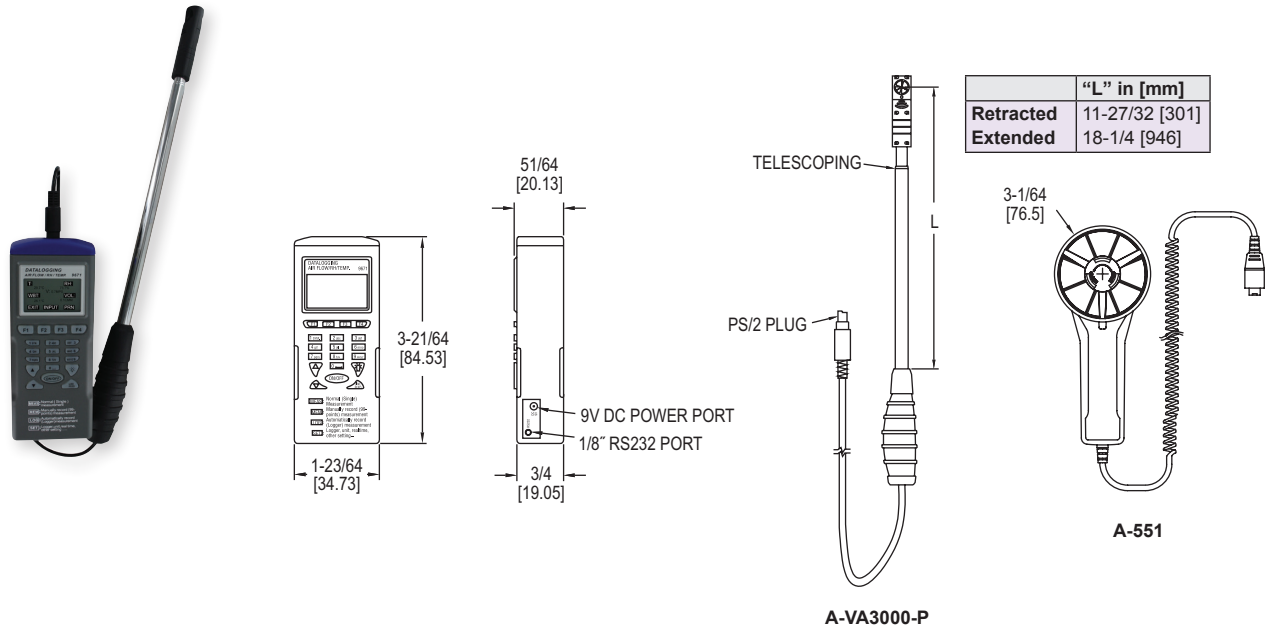


**Dwyer**

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
- Telescoping 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).