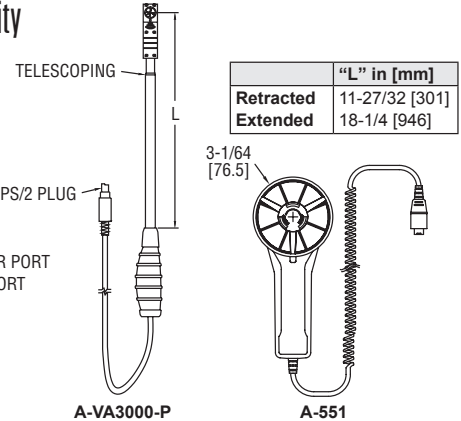
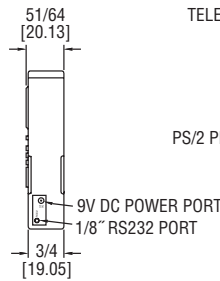


# MINIATURE VANE THERMO-ANEMOMETER

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.

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).

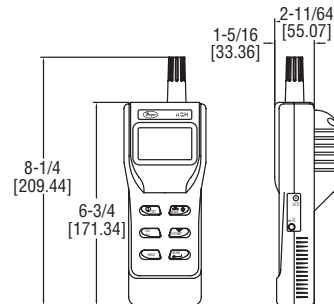
**AIR VOLUME**  
**Range:** 0 to 99,999 (CFM or m3/s).  
**Resolution:** 0.1 (0 to 9999.9) or 1 (10,000 to 99,999).  
**WET BULB**  
**Range:** -7.6 to 158°F (-22 to 70°C).  
**Resolution:** 0.1°F (0.1°C).

**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).  
**Agency Approvals:** CE.

## MODEL AQH-20

# INDOOR AIR QUALITY METER

Measures CO<sub>2</sub>, Temperature and Humidity



The **MODEL AQH-20** Handheld Indoor Air Quality Meter reduces the number of instruments a contractor has to carry by measuring carbon dioxide concentration, air temperature, and humidity percentage in one device. A large backlit LCD shows all three parameters simultaneously. This product offers user selectable engineering units, maximum/minimum/average readings, a hold function, and an audible alarm.

### FEATURES/BENEFITS

- All-in-one unit for carbon dioxide, temperature, and humidity
- Large backlit LCD for visibility in dark areas
- User configurable alarms for audible indication of hazardous conditions

MODEL CHART			
Model	CO <sub>2</sub> Range	Humidity Range	Temperature Range
AQH-20	0 to 2000 ppm	0.0 to 99.9%	14 to 140°F (-10 to 60°C)

ACCESSORY	
Model	Description
TH-CAL	33% and 75% salt bath calibration standards

## SPECIFICATIONS

**Ranges:** CO<sub>2</sub>: 0 to 2000 ppm; Temperature: 14 to 140°F (-10 to 60°C); Relative Humidity: 0.0 to 99.9% RH.  
**Accuracy:** CO<sub>2</sub>: ±30 ppm ±5% of reading; Temperature: ±0.9°F (±0.6°C); Humidity: ±3% RH (10 to 90%), ±5% (0.0 to 9.9% or 90 to 99.9%).  
**Resolution:** CO<sub>2</sub>: 1 ppm; Temperature: 0.1°F (0.1°C); Humidity: 0.1% RH.  
**Response Time:** CO<sub>2</sub>: < 30 seconds; Temperature: < 2 minutes; Humidity: < 10 minutes.

**Display:** 4 digits for temperature/CO<sub>2</sub> and 3 digits for humidity.  
**CO<sub>2</sub> Sensor:** Non-dispersive infrared.  
**Temperature Limits:** 32 to 122°F (0 to 50°C).  
**Humidity Limits (Non-Condensing):** 0 to 95% RH.  
**Power Requirements:** (4) 1.5 V AA alkaline batteries, included, user replaceable.  
**Warm Up Time:** 30 seconds.  
**Weight:** 6.76 oz (200 g).  
**Agency Approvals:** CE.