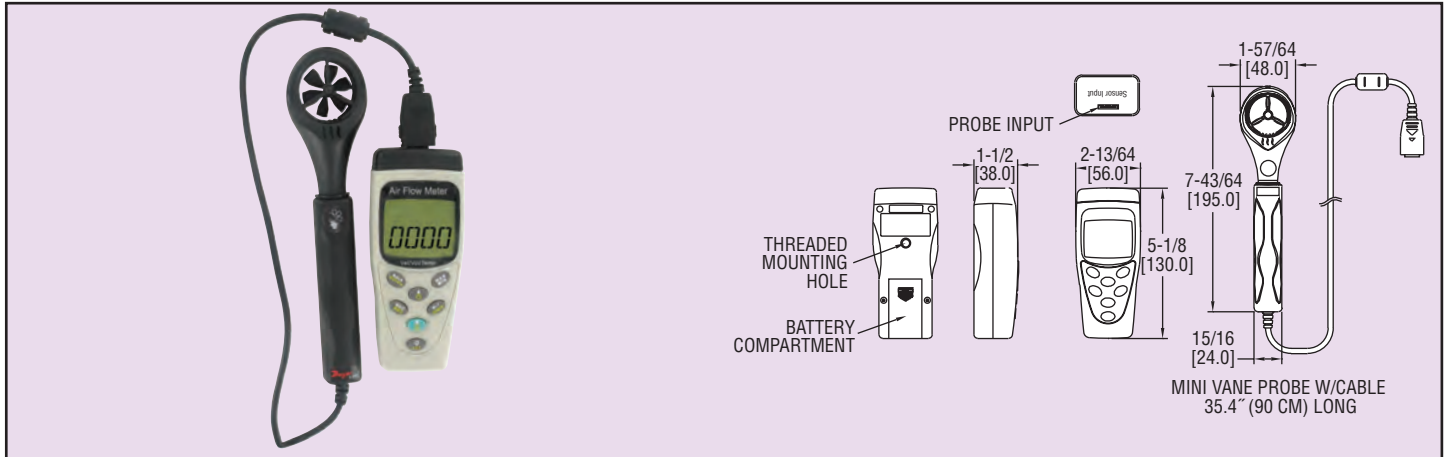




Series  
MVA

# Mini-Vane Thermo-Anemometer

Capable of Measuring Air Volume, Air Velocity, Temperature, Humidity and Barometric Pressure



TEST EQUIPMENT

Vane Thermo-Anemometers

The Series MVA Mini-Vane Thermo-Anemometer has the ability, depending on the model, to measure air velocity, volume flow, temperature, relative humidity, and barometric pressure. With its 1.18" diameter (30 mm) vane, the Series MVA is ideal for spot measurements at air outlets. The MVA-02 is capable of detecting air flows up to 4921 ft/min (25 m/s) and temperatures up to 140°F (60°C). The MVA-03 additionally detects humidity from 0 to 100% with high accuracy. The MVA-04 can do all three of the above functions, plus adds the feature of measuring absolute pressure from 10.3 to 32" Hg (350 to 1100 hPa). The Series MVA anemometers include a wide variety of user selectable units. These units feature a 4-digit LCD display, data hold, ability to record maximum and minimum, storage up to 99 air velocity records, and an auto-shutoff to prolong life. The Series MVA also has a detachable probe for convenient replacing, if necessary. The unit includes a 6 blade mini-vane probe, nylon case, and a 9V battery.

**Model MVA-02**, Mini Vane Anemometer

**Model MVA-03**, Mini Vane Anemometer with Humidity Sensor

**Model MVA-04**, Mini Vane Anemometer with Humidity and Barometric Sensors

## ACCESSORIES

**A-553**, Spare attachable vane for MVA-02

**A-554**, Spare attachable vane for MVA-03 & -04

## SPECIFICATIONS

### RANGES

**Air Velocity:** 79 to 4921 fpm, 0.4 to 25 m/s; 1.5 to 90 km/hr; 0.9 to 55 mph; 0.8 to 48 knots; 1 to 10 Beaufort.

**Air Volume:** 0 to 9999 CFM & CMM.

**Temperature:** -4 to 140°F (-20 to 60°C).

**Humidity:** 0 to 100%.

**Barometric Pressure:** 10.3 to 32 in Hg; 350 to 1100 hPa; 263 to 825 mm Hg.

### ACCURACY

**Air Velocity:** ±2% FS (+0.2% of reading m/s; +0.8% of reading km/hr; +0.4% of reading mph and knots; +40% of reading fpm).

**Relative Humidity:** 20 to 80%: 3.5%; 0 to 20% and 80 to 100%: 5%.

**Temperature:** ±1.8°F; ±1°C.

**Barometric Pressure:** ±0.1 in Hg; ±3 hPa; ±1.5 mm Hg.

### RESOLUTION

**Air Velocity:** 0.1 (1 for ft/min and Beaufort).

**Air Volume:** 1.

**Temperature:** 0.1°C.

**Humidity:** 0.1%.

**Barometric Pressure:** 0.1.

### RESPONSE TIME

**Air Velocity:** 2 seconds.

**Air Volume:** 2 seconds.

**Temperature:** 1 second.

**Humidity:** 5 minutes to stabilize.

**Barometric Pressure:** 1 minute.

**LCD Size:** 1.65" x 1.30" (42 x 33 mm).

**Power Requirements:** 9 volt battery.

**Battery Life:** 50 hours continuous use.

**Vane Diameter:** 1.18" (30 mm).

**Cable Length:** 35.4" (90 cm).

**Weight:** 9.2 oz (260 g).

**Agency Approvals:** CE.