**Mini-Vane Thermo-Anemometer**

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

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).

**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; 735 to 1015 mm Hg.

- **Resolution:**
  - Air Velocity: ±2% FS (+0.2% of reading m/s; +0.8% of reading km/hr; +1% of reading mph and knots; +40% of reading fpm).
  - Relative Humidity: 0 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.

- **Response Time:**
  - Air Velocity: 2 seconds.
  - Air Volume: 2 seconds.
  - Temperature: 1 second.
  - Humidity: 5 minutes to stabilize. Barometric Pressure: 1 minute.

**Model MVA-02**

- **Digital Multifunction Environmental Meter**

- **Display:** Dual line, 4-1/2 digit LCD display.
- **Temperature Limits:** 14 to 140°F (-10 to 60°C).
- **Resolution:**
  - Temperature: 0.1°F/°C;
  - Relative humidity: 0.1%;
  - Sound level: 0.1 dB;
  - Illumination: 1 up to 2,000 lux; 10 up to 20,000 lux.
- **Power Requirements:** 9 V alkaline battery, included, user replaceable.
- **Response Time:** 500 msec.
- **Weight:** 15.5 oz (430 g).
- **Agency Approvals:** CE.

**Model EMMA**

- **Digital Multifunction Environmental Meter**

- **Display:** Dual line, 4-1/2 digit LCD display.
- **Temperature Limits:** 14 to 140°F (-10 to 60°C).
- **Resolution:**
  - Temperature: 0.1°F/°C;
  - Relative humidity: 0.1%;
  - Sound level: 0.1 dB;
  - Illumination: 1 up to 2000 lux; 10 up to 20,000 lux; 100 up to 100,000 lux.
- **Power Requirements:** 9 V alkaline battery, included, user replaceable.
- **Response Time:** 500 msec.
- **Weight:** 9.2 oz (260 g).
- **Agency Approvals:** CE.