HVAC Balancing Instruments

Series EMMA
Digital Multifunction Environmental Meter

Monitor Humidity, Temperature, Air Velocity and More

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 (79 to 4921 fpm) and temperatures up to 140°F (60°C). The MVA-03 additionally detects humidity from 0 to 100% relative humidity 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 an 8-1/4˝ x 2-3/16˝ x 1-1/4˝ (203.2 x 56.0 x 31.8 mm) Digital Multifunction Environmental Meter.

**SPECIFICATIONS**

**RANGES**
- **Air Velocity:** 0 to 9999 CFM & CMM
- **Temperature:** 14 to 140°F (-10 to 60°C)
- **Humidity:** 0 to 100%
- **Barometric Pressure:** 0 to 100% RH

**RESOLUTION**
- **Air Velocity:** 0.1 (1 for ft/min and Beaufort)
- **Humidity:** 0.1%
- **Barometric Pressure:** 0.1 hPa

**RESPONSE TIME**
- **Air Velocity:** 2 seconds
- **Temperature:** 1 second
- **Humidity:** 5 minutes to stabilize
- **Barometric Pressure:** 1 minute

**Display:** Dual line, 4-1/2 digit LCD display.

**Agency Approvals:** CE

**Model EMMA, Multifunction Environmental Meter**

**SPECIFICATIONS**

**RANGES**
- **Air Velocity:** 0 to 9921 fpm (0.5 to 30 m/s) +0.4% of reading mph and knots; 1 to 10 Beaufort.
- **Wind speed:** 96 to 5913 fpm; 0.4 to 25 m/s; 1.5 to 90 km/hr; 0.9 to 55 mph; 0.8 to 45 knots; 1 to 10 Beaufort.
- **Sound level:** 30 to 130 dB(A), 35 to 130 dB(C)
- **Illumination:** 0 to 50,000 lux; 10 up to 20,000 lux; 100 up to 50,000 lux.
- **Power Requirements:** 9 V alkaline battery, included, user replaceable.
- **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

**Power Requirements:** 9 V alkaline battery, included, user replaceable.

**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

**Response Time:** 500 msec.

**Model EMMA, Multifunction Environmental Meter**

**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 45 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˝ Hg; 350 to 1100 hPa; 263 to 825 mm Hg.

**ACCURACY**
- **Air Velocity:** ±2% FS (+0.2% of reading)
- **Wind speed:** ±3% of reading + 10% (0.1 for ft/min and Beaufort)
- **Sound level:** ±1.5 dB
- **Illumination:** ±0.1 up to 2,000 lux; ±10 up to 20,000 lux; ±100 up to 50,000 lux
- **Power Requirements:** 9 V alkaline battery, included, user replaceable.
- **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

**Response Time:** 500 msec.