100 MM VANE THERMO-ANEMOMETER TEST INSTRUMENT

Measures Air Velocity or Air Volume, Temperature, and Humidity Simultaneously

**The Model 473B 100 mm Vane Thermo-Anemometer Test Instrument is a versatile unit that quickly and easily measures air velocity or volumetric air flow, as well as air temperature and humidity in imperial or metric units. A stainless steel 100 mm vane probe is included, which has a comfortable hand grip. The extruded aluminum housing fully protects electronics, yet is lightweight and comfortable to hold.**

**BENEFITS/FEATURES**
- Compatible with Dwyer AP1 thermo-anemometer and RP1 thermo-hygrometer wired probes (sold separately)
- Measure air velocity, volumetric air flow, temperature, and humidity with the included 100 mm vane probe
- Visible in any condition due to high contrast and backlit LCD display
- Able to store up to 99 readings for later evaluation

**APPLICATIONS**
- Residential balancing
- HVAC inspections

**SPECIFICATIONS**
- **Service:** Dry, clean air.
- **Temperature Limits:** Process: -20 to 212°F (-29 to 100°C); Ambient: 5 to 125°F (-15 to 51°C).
- **Display:** 4.5 digit backlit display.
- **Range:** Air velocity: 40 to 5000 FPM (0.2 to 25 m/s); Volumetric air flow: 19,999 in selected flow units; Temperature: -20 to 212°F (-29 to 100°C); Relative humidity: 0 to 100% RH.
- **Accuracy:** Air velocity: ±1.5% of reading ±20 FPM (±0.1 m/s) [0.25 to 10 m/s]; ±1.5% of reading ±40 FPM (±0.2 m/s) [10 to 20 m/s]; ±1.5% of reading ±60 FPM (±0.3 m/s) [20 to 25 m/s]; Temperature: ±0.9°F @ 77°F (±0.5°C @ 25°C); Relative humidity: ±2% @ 77°F (25°C) [10 to 90% RH]; ±4% [0 to 10, 90 to 100% RH].
- **Response Time:** Air velocity: 1 s; Volumetric air flow: 1 s; Temperature: 1.5 s; Relative humidity: 1.5 s.
- **Probe Length:** 8˝ (203 mm) insertion.
- **Cable Length:** 28˝ (71 cm) retracted; 6´ (18.3 m) extended.
- **Vane Material:** Anodized aluminum.
- **Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.
- **Weight:** 18.4 oz (521 g).

**ACCESSORIES**
- **A-47X-BOOT** Protective magnetic rubber boot
- **A-VPX-CKIT** Vane hood kit
- **AP1** Hot wire thermo-anemometer probe with coiled cable
- **RP1** Thermo-hygrometer probe with coiled cable
- **VP1** 100 mm vane thermo-anemometer probe with coiled cable (replacement)

*Consult website for more details.