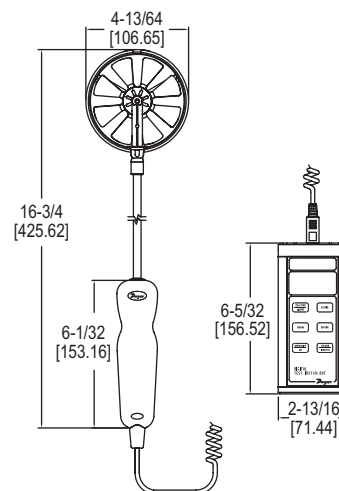


**Dwyer****MODEL 473B**

# 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.

### FEATURES/BENEFITS

- Compatible with Dwyer AP1 thermo-anemometer and RP1 thermo-hygrometer wired probes (sold separately)
- Included 100 mm vane probe is able to measure air velocity, volumetric air flow, temperature, and humidity
- High contrast and backlit LCD for visibility in any condition
- Able to store up to 99 readings for later evaluation

### APPLICATIONS

- Residential balancing
- HVAC inspections

### MODEL CHART

Model	Description
473B-1	Vane thermo-anemometer test instrument

### OPTIONS

To order add suffix:	Description
-COC	Certificate of calibration
-FC	Factory calibration certificate
-NIST	NIST traceable calibration certificate

Example: 473B-1-NIST

### 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:  $\pm 1.5\%$  of reading  $\pm 20$  fpm ( $\pm 0.1$  m/s) [0.25 to 10 m/s];  $\pm 1.5\%$  of reading  $\pm 40$  fpm ( $\pm 0.2$  m/s) [10 to 20 m/s];  $\pm 1.5\%$  of reading  $\pm 60$  fpm ( $\pm 0.3$  m/s) [20 to 25 m/s]; Temperature:  $\pm 0.54^\circ\text{F}$  @  $77^\circ\text{F}$  ( $\pm 0.3^\circ\text{C}$  @  $25^\circ\text{C}$ ); Relative Humidity:  $\pm 2\%$  @  $77^\circ\text{F}$  ( $25^\circ\text{C}$ ) [10 to 90% RH];  $\pm 4\%$  [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

Model	Description
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
UHH-C1	Soft carrying case
VP1*	100 mm vane thermo-anemometer probe with coiled cable (replacement)

\*Consult website for more details.



A-47X-BOOT  
(manometer not included)



A-VPX-CKIT



AP1



RP1



UHH-C1



VP1