



Model  
VP1

# 100 mm Vane Thermo-Anemometer Probe

Wired, Measures Velocity, Flow, Humidity, & Temperature



**Model VP1**, Wired 100 mm Vane Thermo-Anemometer Probe for the Model UHH

## 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).

### Range:

Air Velocity: 40 to 5000 fpm (0.2 to 25 m/s);

Volumetric Air: 999,999 in selected flow units;

Temperature: -20 to 212°F (-29 to 100°C);

Relative Humidity: 0 to 100% RH.

### Accuracy:

Air Velocity: 0.25 to 10 m/s:  $\pm 1.5\%$  of reading  $\pm 20$  fpm ( $\pm 0.1$  m/s); 10 to 20 m/s:

$1.5\%$  of reading  $\pm 40$  fpm ( $\pm 0.2$  m/s); 20 to 25 m/s:  $\pm 1.5\%$  of reading  $\pm 60$  fpm ( $\pm 0.3$  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% RH and 90 to 100%).

### Response Time:

Air Velocity and Air Volume: 1 s;

Temperature and Relative Humidity: 1.5 s.

**Probe Length:** 8" (203 mm) insertion.

**Vane Material:** Anodized aluminum.

**Weight:** 15.2 oz (431 g).

**Agency Approvals:** CE, RoHS.