

# TECHNICAL DATA SHEET

## Thermo Anemometer Test Instrument



### DESCRIPTION

Model 473B Thermo-Anemometer Test Instrument. Measures Air Velocity/Air Volume, Temperature and Humidity Simultaneously and quickly. Includes the option to measure in imperial or metric units. 100mm Stainless Steel vane probe included with a comfortable hand grip. Aluminium housing is lightweight and fully protective of electronics. Battery included.



### TECHNICAL SPECIFICATION

Material	Stainless steel, Aluminium
Recommended Use	To measure Air Velocity, volumetric air flow, temperature, and humidity
Weight	521 g (18.4 oz)

### FEATURES

- Includes 100mm Stainless Steel Vane Probe
- Comfortable Hand Grip
- Fully Protective Aluminium Housing
- Lightweight
- Includes battery
- Able to store up to 99 readings for later evaluation
- Visible in any condition due to high contrast and backlit LCD display

# TECHNICAL DATA SHEET



## Thermo Anemometer Test Instrument

### SPECIFICATION

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: $\pm 0.9^\circ\text{F}$ @ $77^\circ\text{F}$ ( $\pm 0.5^\circ\text{C}$ @ $25^\circ\text{C}$ ); 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 aluminium
Power Requirements	9 V alkaline battery, installed non-functional, user replaceable
Weight	18.4 oz (521 g)