

## ANEMOMETER/MANOMETER

## TECHNICAL DATA

### FEATURES

- Measure and display air velocity, air flow volume, pressure and ambient temperature with a single, compact unit
- Air velocity displayed in m/s, fpm, km/h, mph or knots
- Air flow displayed in cfm or cmm
- Pressure displayed in psi, mbar, inH<sub>2</sub>O, mmH<sub>2</sub>O or Pa
- Temperature displayed in °C or °F
- Max., Min. and Avg. readings
- Real time clock provides for time-stamped measurements
- Push button calculation of rectangular or circular duct areas
- Large LCD display with backlight
- Auto power off and low battery indication
- USB interface
- Includes black and white silica tubes, Pitot tube, power adapter, USB cable, 9V battery, CD software and carrying case

### SPECIFICATIONS

**Pressure Range:** ±5000 Pa; 0.752 psi; 50.00mbar;  
20.07 inH<sub>2</sub>O; 509.8 mmH<sub>2</sub>O

**Resolution:** 1 Pa; 0.0001 psi; 0.01 mbar; 0.01 inH<sub>2</sub>O;  
0.1 mmH<sub>2</sub>O

**Accuracy:** ±0.3% FSO

**Repeatability:** ±0.2% FSO

**Linearity/Hysteresis:** ±0.29% FSO

**Air Velocity Range:** 1.00 to 80.00 m/s; 200 to 15,733 fpm;  
3.6 to 288.0 km/h; 2.24 to 178.66 mph; 2.0 to 154.6 knots

**Resolution:** 0.01 m/s; 1 fpm; 0.1 km/h; 0.01 mph; 0.1 knots

**Accuracy:** ±2.5% rdg.

**Air Flow Range:** 0 to 99.999 ft<sup>3</sup>/min; 0 to 99.999 m<sup>3</sup>/min

**Resolution:** 0.0001 to 100 ft<sup>3</sup>/min; 0.001 to 100 m<sup>3</sup>/min

**Accuracy:** Function of air velocity and duct size

**Temperature Range:** 0 to 50.0°C; 32.0 to 122.0°F

**Resolution:** 0.1, C; 0.1°F

**Accuracy:** ±1.0°C; ±2°F

**Power Supply:** Single 9V battery

**Dimensions:** 203 x 75 x 50mm



### ORDERING INFORMATION

R3001 ..... Anemometer/Manometer  
CERTIPG2 ..... NIST Calibration Certificate  
R3001-NIST ... Anemometer/Manometer & NIST