

# DPR400 Pitot Tube Anemometer

## Simultaneously display Pressure, Air Velocity, or Air Flow plus Temperature

### Features:

- Measurements are viewed on the large backlit LCD display
- Use one input to measure the gauge pressure of a single source
- Use both inputs to measure the differential pressure between two points
- Duct shape and parameter settings for airflow measurement are recalled at power up
- Zero display adjust for all three modes
- Store/Recall up to 99 readings in each mode
- Stored readings can be downloaded via USB interface to your PC using the included software
- Real time Data Acquisition for viewing and storing readings directly on your PC
- Min/Max/AVG records highest, lowest and average readings with relative time stamp
- Data Hold momentarily freezes the displayed reading for easy viewing
- Low battery indicator
- Auto power off with disable
- Optional model complete with Certificate of Traceability to N.I.S.T.
- Includes pitot tube, 2 connection hoses (33.5" (850mm)) (inner dia. 0.2" (5mm)/outer dia. 0.4" (9mm)), software, 9V battery, and hard carrying case
- 2 year warranty

### Applications:

HVAC System installation and maintenance, cleanrooms, kitchen exhaust systems, wind power monitoring, construction, sailing/boating, vehicle aerodynamics

Use one input to measure gauge pressure of a single source. Use both inputs to measure the differential pressure between two points of a single source or between 2 sources revealing which input has the higher pressure and the difference between them

### Ordering Information:

DPR400 Pitot Tube Anemometer  
DPR400-NIST DPR400 Including Certificate of Traceability to N.I.S.T.



### Specifications

|                       |   |
|-----------------------|---|
| Manometer             | Range (resolution)<br>0.7252psi (0.0001psi)<br>50.00mbar (0.01mbar)<br>20.07inH2O (0.01inH2O)<br>509.8mmH2O (0.1mmH2O)<br>5000Pa (1Pa)  |
| Accuracy              | ±0.3% FSO   |
| Max. Pressure         | 10psi   |
| Air Velocity          | Range (resolution)<br>200 to 15733ft/min (1ft/min)<br>1.00 to 80.00m/s (0.01m/s)<br>3.6 to 288.0km/h (0.1km/h)<br>2.24 to 178.66mph (0.01mph)<br>2.0 to 154.6 knots (0.1 knots) |
| Accuracy              | ±2.5%   |
| Air Flow              | Range (resolution)<br>0 to 99.999CFM (0.0001CFM)<br>0 to 99.999CMM (0.001CMM)   |
| Air Temperature       | 32 to 122°F/0 to 50°C (0.1°F/°C)  |
| Accuracy              | ±2°F/1°C  |
| PC Interface          | USB   |
| Data Acquisition      | Real-Time data viewed on your PC  |
| Power                 | 9V battery  |
| Meter Dimensions      | 8 x 3 x 2" (203 x 75 x 50mm)  |
| Weight                | 10.6oz (300g)   |
| Pitot Tube Dimensions | 13 x 8" (329 x 201mm)   |
| Pitot Tube Diameter   | 0.3" (8mm)  |
| Weight                | 5.3oz (150g)  |

