

### TECHNICAL DATA



### Features

- Measures fpm, m/s, km/h, mph, knots and beaufort
- Calculates air volume (CFM/CMM)
- Dual LCD display simultaneously displays air velocity and air temperature
- Basic accuracy of  $\pm 3\%$
- Internal memory up to 99 datapoints
- Min/Max/Avg and Data Hold Functions
- Low battery indicator and auto shut-off

Model	Description
R4100	Vane Thermo-Anemometer
R4100-PROBE	Replacement Rotating Vane Probe
R4100-NIST	Vane Thermo-Anemometer & NIST

### Specifications

Air Velocity	
Measuring Range(s):	fpm: 79 to 5866 m/s: 0.4 to 30 km/h: 1.5 to 106 mph: 0.9 to 66 knots: 0.8 to 58 Beaufort: 1 to 8

Air Flow Measuring  
Range (S):

CFM: 0 to 9999  
CMM: 0 to 9999

Temperature  
Measuring Range:  
Accuracy:

-4 to 140°F (-20 to 60°C)  
fpm:  $\pm(3\% \text{ rdg.} + 40 \text{ dgt.})$   
m/s:  $\pm(3\% \text{ rdg.} + 0.2 \text{ dgt.})$   
km/h:  $\pm(3\% \text{ rdg.} + 0.8 \text{ dgt.})$   
mph, knots:  $\pm(3\% \text{ rdg.} + 0.4 \text{ dgt.})$   
Temperature:  $\pm 1.8^\circ\text{F}$  ( $1^\circ\text{C}$ )  
Resolution:  
fpm, Beaufort: 1  
m/s, km/h, mph, knots: 0.1  
Temperature: 0.1°F/°C

### General Specifications

Type:	Vane
Vane Diameter	1.96" (50mm)
Response Time	1 sec.
Display	4-digit, Dual LCD Display
Backlit Display	Yes
Data Hold	Yes
Min	Yes
Max	Yes
Average	Yes
Air Volume Calculation (CFM/CMM)	Yes
Internal Memory	Yes (up to 99 datapoints)
Auto Shut-off	Yes (after 15 mins/off)
Tripod Mountable	Yes
Low Battery Indicator	Yes
Power Supply	9V battery
Product Certifications	CE
Operating Temperature	32 to 122°F (5 to 40°C)
Storage Temperature	14 to 140°F (-10 to 60°C)
Operating Humidity Range	10 to 80%
Dimensions	5.5 x 2.6 x 1.5" (140 x 65 x 38mm)
Weight	10.4oz (296g)