

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:

-4 to 140°F (-20 to 60°C)

Accuracy:

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°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)