

TECHNICAL DATA

Features

- Measures air velocity (fpm, m/s, kph, mph and knots) and air temperature
- Contact temperature measurement with type J/K thermocouple option
- Thermistor sensor for fast air temperature readings
- Low friction ball-bearing, rotating vane probe ensures high accuracy readings
- Real-time data logger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Tripod mount on probe and instrument for long-term monitoring
- Low battery indicator and auto shut off
- Includes vane probe, hard carrying case & batteries

Specifications

Type:	Vane
Measuring Ranges:	fpm: 79 to 5906 m/s: 0.4 to 30 km/h: 1.4 to 108 mph: 0.9 to 67.1 knots: 0.8 to 58.3 Air Temperature: 32 to 122°F (0 to 50°C) Type K Temperature: -148.0 to 2372.0°F (-100.0 to 1300°C) Type J Temperature: -148.0 to 2192.0°F (-100.0 to 1200°C)
Accuracy:	Air Velocity: ±(2% rdg + 40 fpm, 0.2 m/s, 0.8 km/h, 0.4 mph, 0.4 knot) Air Temperature: 1.5°F (±0.8°C) Temperature: ≥-58°F (-50°C) ±(0.4% + 1°F (0.5°C)) ≤-58°F (-50°C) ±(0.4% + 1.8°F (1°C))
Resolution:	fpm: 1m/s, km/h, mph, knot: 0.1 Temperature: 0.1°F/°C
Vane Diameter:	2.8" (72mm)
Response Time:	<1 second
Display:	5-digit, Dual LCD Display



Continued...

TECHNICAL DATA



Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds)
External Memory:	Yes, expandable up to 16GB with SD card (optional)
Auto Shut-off:	Yes (after 10 minutes/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Data Output:	Yes (RS-232)
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	10 to 80%
Dimensions:	8 x 3 x 1.5" (203 x 76 x 38mm)
Weight:	1.13lb (515g)

Model	Description
R4000SD	Data Logging Vane Thermo-Anemometer
R4000SD-PROBE	Replacement Probe for R4000SD
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
TP-01	Beaded Thermocouple
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD Memory Card w/Adapter
R4000SD-NIST	Data Logging Vane Thermo-Anemometer with NIST