

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
- Hot wire probe for precise low air velocity measurements
- 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 for long-term monitoring
- Low battery indicator and auto shut off
- Includes telescopic hot wire probe, hard carrying case & batteries

Specifications

Type:	Hot Wire
Measuring Ranges:	fpm: 40 to 4921 m/s: 0.2 to 25 km/h: 0.7 to 90 mph: 0.5 to 55.9 knots: 0.4 to 48.6 32 to 122°F (0 to 50°C)
Air Temperature:	-148.0 to 2372.0°F
Type K Temperature:	(-100.0 to 1300°C)
Type J Temperature:	-148.0 to 2192.0°F (-100.0 to 1200°C)
Accuracy:	Air Velocity: ±(5% rdg + 20 fpm, 0.2 m/s, 0.3 km/h, 0.2 mph, 0.2 knot) Air Temperature: ±0.8°C (1.5°F) Contact Temperature: ≥-58°F (-50°C) ±(0.4% + 1°F (0.5°C)) ≤-58°F (-50°C) ±(0.4% + 1.8°F (1°C))
Resolution:	
Temperature:	fpm: 1
Telescope	m/s, km/h, mph, knot: 0.1
Probe Length:	0.1°F/°C
Response Time:	11 to 37" (280 to 940mm)
Display:	<1 second
Backlit Display:	5-digit, Dual LCD Display
Data Hold:	Yes
Min:	Yes
	Yes

TECHNICAL DATA



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TECHNICAL DATA



- 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
R4500SD	Data Logging Hot Wire Thermo-Anemometer
R4500SD-PROBE	Replacement Probe for R4500SD
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
R4500SD-NIST	Data Logging Hot Wire Thermo-Anemometer with NIST