

### 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
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: $\pm(5\% \text{ rdg} + 20 \text{ fpm, } 0.2 \text{ m/s, } 0.3 \text{ km/h, } 0.2 \text{ mph, } 0.2 \text{ knot})$ Air Temperature: $\pm 0.8^\circ\text{C} (1.5^\circ\text{F})$ Contact Temperature: $\geq -58^\circ\text{F} (-50^\circ\text{C})$ $\pm(0.4\% + 1^\circ\text{F} (0.5^\circ\text{C}))$ $\leq -58^\circ\text{F} (-50^\circ\text{C})$ $\pm(0.4\% + 1.8^\circ\text{F} (1^\circ\text{C}))$
Resolution:	fpm: 1 m/s, km/h, mph, knot: 0.1
Temperature:	0.1°F/°C
Telescope Probe Length:	11 to 37" (280 to 940mm)
Response Time:	<1 second
Display:	5-digit, Dual LCD Display
Backlit Display:	Yes
Data Hold:	Yes
Min:	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
<b>R4500SD</b>	Data Logging Hot Wire Thermo-Anemometer
<b>R4500SD-PROBE</b>	Replacement Probe for R4500SD
<b>R2920</b>	Surface Thermocouple Probe
<b>R2930</b>	Right Angle Thermocouple Probe
<b>R2940</b>	Air/Gas Thermocouple Probe
<b>R2950</b>	Immersion Thermocouple Probe
<b>R2960</b>	Needle Tip Thermocouple Probe
<b>TP-01</b>	Beaded Thermocouple
<b>R1500</b>	Tripod
<b>RSD-ADP-NA</b>	Power Supply, 110V
<b>RSD-ADP-EU</b>	Power Supply, 220V
<b>CA-05A</b>	Soft Carrying Case
<b>R8888</b>	Hard Carrying Case
<b>SD-4GB</b>	4GB Class 4 SDHC Memory Card
<b>RSD-16GB</b>	16GB Micro SD Memory Card w/Adapter
<b>R4500SD-NIST</b>	Data Logging Hot Wire Thermo-Anemometer with NIST