

### 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<br>m/s: 0.2 to 25<br>km/h: 0.7 to 90<br>mph: 0.5 to 55.9<br>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<br>(-100.0 to 1300°C)  |
| Type J Temperature: | -148.0 to 2192.0°F<br>(-100.0 to 1200°C)  |
| Accuracy:           | Air Velocity: $\pm(5\% \text{ rdg} + 20 \text{ fpm, } 0.2 \text{ m/s, } 0.3 \text{ km/h, } 0.2 \text{ mph, } 0.2 \text{ knot})$<br>Air Temperature: $\pm 0.8^\circ\text{C}$ (1.5°F)<br>Contact Temperature:<br>$\geq -58^\circ\text{F}$ (-50°C)<br>$\pm(0.4\% + 1^\circ\text{F}$ (0.5°C))<br>$\leq -58^\circ\text{F}$ (-50°C)<br>$\pm(0.4\% + 1.8^\circ\text{F}$ (1°C)) |
| Resolution:         | fpm: 1<br>m/s, km/h, mph, knot: 0.1<br>0.1°F/°C   |
| Temperature:        |   |
| 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   |

### TECHNICAL DATA



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- 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)

### R4500SD-KIT

Data Logging Hot Wire Thermo-Anemometer with Power Adapter and SD Card

Includes:  
R4500SD Data Logging Hot Wire Thermo-Anemometer, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



### R4500SD-KIT2

Data Logging Hot Wire Thermo-Anemometer with Tripod, SD Card and Power Adapter

Includes:  
R4500SD Data Logging Hot Wire Thermo-Anemometer, R1500 Tripod, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



## TECHNICAL DATA



| 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-KIT   | Data Logging Hot Wire Thermo-Anemometer with Power Adapter and SD Card         |
| R4500SD-KIT2  | Data Logging Hot Wire Thermo-Anemometer with Tripod, SD Card and Power Adapter |
| R4500SD-NIST  | Data Logging Hot Wire Thermo-Anemometer with NIST                              |