

### 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°F) Contact Temperature: $\geq -58^\circ\text{F}$ (-50°C) $\pm(0.4\% + 1^\circ\text{F}$ (0.5°C)) $\leq -58^\circ\text{F}$ (-50°C) $\pm(0.4\% + 1.8^\circ\text{F}$ (1°C))
Resolution:	fpm: 1 m/s, km/h, mph, knot: 0.1 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



Continued...

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