

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: $\pm(2\% \text{ rdg} + 40 \text{ fpm},$ 0.2 m/s, 0.8 km/h, 0.4 mph, 0.4 knot)
	Air Temperature: 1.5°F ($\pm 0.8^\circ\text{C}$)
	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°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...

- 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)
- SD Card Class Compatibility: Class 4
- 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)

R4000SD-KIT

Data Logging Vane Thermo-Anemometer with Power Adapter and SD Card

Includes:
R4000SD Data Logging Vane Thermo-Anemometer, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



R4000SD-KIT2

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

Includes:
R4000SD Data Logging Vane Thermo-Anemometer, R1500 Tripod, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



TECHNICAL DATA

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-KIT	Data Logging Vane Thermo-Anemometer with Power Adapter and SD Card
R4000SD-KIT2	Data Logging Vane Thermo-Anemometer with Tripod, SD Card and Power Adapter
R4000SD-NIST	Data Logging Vane Thermo-Anemometer with NIST