

# SPER SCIENTIFIC

## Anemometers



Model:	Anemometer/ Thermometer 840003	Anemometer/ Thermometer 840032	CFM Anemometer 840033	Environmental Quality Meter 850071 With Anemometer Probe 850072	Environmental Quality Meter With Mini Extension Probe 850073	Mini Environmental Quality Meter 850070
Price	\$149	\$239	\$330	Meter \$123 Probe \$100	Probe \$248	\$159
Probe type	Integral	Detachable	Detachable	Detachable and Interchangeable		Integral
Additional Features	Auto power off Regular & moving average	Auto power off Average LCD adjusts for angled viewing	Auto power off Air volume LCD adjusts for angled viewing	Auto power off, Tripod back, RS232 Output, Max-min-hold, ATC Probes retain calibration information		Light meter/ Humidity meter/ Thermometer/ Anemometer.
Optional Accessories	B, C	A, B, D, G	A, B, D, G	E, F, G, H, I		

Model:	M/S	Km/h	Mile/h	Knots	Ft/min	CMM	CFM	°C	°F
<b>840003</b> Range Resolution Accuracy	0.4~30 0.01 ± 3%	1.4~108 0.1 ± 3%	0.9~68 0.1 ± 3%	0.8~58 0.1 ± 3%	80~5900 1 ± 3%			-10~50° 0.1° ± 0.	14~122° 0.1° ± 1°
<b>840032</b> Range Resolution Accuracy	0.4~25.0 0.1 ±2%+1d	1.4~90.0 0.1 ±2%+1d	0.9~55.9 0.1 ±2%+1d	1.9~38.8 0.1 ±2%+1d	80~4925 10 ±2%+1d			0~60° 0.1° ±1°	32~140° 0.1° ±2°
<b>840033</b> Range Resolution Accuracy	0.4~25.0 0.01 ±2%+.02d	1.4~90.0 0.1 ±2%+.02d	0.9~55.9 0.1 ±2%+.02d	0.8~48.8 0.1 ±2%+.02d	80~4930 1 ±2%+20ft per min	0 ~999,900 0.001~100 Area: 0.001~9,999		0~50° 0.1° ±0.8°	32~122° 0.1° ±1.5°
<b>850070</b> Range Resolution Accuracy	0.4~25.0 0.1 ±(3%+2d)	1.4~90.0 0.1 ±(3%+2d)	0.9~55.9 0.1 ±(3%+2d)	0.8~48.6 0.1 ±(3%+2d)	80~4930 1 ±(3%+20ft/ min)			0~50° 0.1° ±1.2°C	32~122° 0.1° ±2.5°F
<b>850071</b> with <b>850072</b> Range Resolution Accuracy	0.4 ~ 25.0 0.1 ±2%+0.2d	1.4 ~ 90.0 0.1 ±2%+0.2d	0.9 ~ 55.9 0.1 ±2%+0.2d	0.8~48.8 0.1 ±2%+0.2d	80~4930 1 ±2%+ 20ft per min			0~50 0.1 ±0.8°	32~122 0.1 ±1.5°
<b>850071</b> with <b>850073</b> Range Resolution Accuracy	0.4~12.0 0.1 ±2%+0.2d	1.4~43.2 0.1 ±2%+0.2d	0.9~26.8 0.1 ±2%+0.2d	0.8~23.3 0.1 ±2%+0.2d	80~2358 1 ±2%+ 20ft			0~50 0.1 ±0.8°	32~122 0.1 ±1.5°

Sper Scientific offers a complete range of vane anemometers with appropriate units for every airflow measurement application:

- Fume, paint & exhaust hood face velocities
- Meteorology & environmental studies
- Hazardous spill clean ups
- Environmental protection in mining & manufacturing
- Exhaust monitoring
- Measure airflow from smoke stacks
- Testing fans and blowers
- Electrostatic precipitators
- HVAC

Vane anemometers work on the principle that a freely turning turbine will rotate at a speed directly proportional to the wind speed. The sensitivity and balance of the low friction bearings enable measurement of even the weakest air currents. 2 3/4" diameter probes operate at temperatures of 32 ~ 122°F. Extra large LCDs simultaneously display air temperature and air speed in your choice of 5 units of measure. Model 840033 also reads air volume. All units have hold and min-max functions. They can also serve as dataloggers when connected to your computer via the RS232 ports. Models 840032, 840033, and 850071 feature detachable probes for use in vents and other hard to reach places, and for easy replacement and repair. All Sper Scientific Anemometers are attractively priced, come ready to use with probes\*, 9V battery, hard carrying case, and clear instructions. Meters are warranted for 5 years. \*Meter 850071 and probes 850072 and 850073 are sold separately.

### OPTIONAL ACCESSORIES

	Cat. No.	Price
A Datalogger with Data Lab Graphical Software	840051	\$309
B Data Lab Graphical Software v. 1.03 or higher	840053	\$47
C RS232 Cable for 840003	840054	\$36
D RS232 Cable for 840032 and 840033	840055	\$22
E Software and Cable for 850071	850080	\$53
F RS232 Cable for 850071	840057	\$23
G Water Resistant Instrument Pouch	840090	\$10
H Bench-Top Tripod	840092	\$44
I Field Tripod	840093	\$45

