

Air Velocity Meters

What type of air velocity meter is best?

The following air velocity instruments are vane type anemometers that can be used in a wide variety of applications requiring KNOTS, KPH, M/S & FT/MIN measuring. Ideal for air conditioning and heating systems, measuring air velocities and wind speeds. Temperature and humidity can also be read on some meters.

Anemometers will provide fast accurate air velocity readings in easy to access areas. When using the hold function or max/average features you will simplify wind turbulence problems that normally occur. For more restricted areas refer to hot wire anemometers. Durable, shock resistant, low cost and reliable for direct air stream measuring.

Velocity and volume applications are sometimes very clean or very dirty. Hot wire anemometers are used in clean HVAC environments; where as static pressure tips are better suited for dirty and highly flammable environments. Both are higher m/s ranges and are suitable when access to ducts is limited to small openings. Differential pressure and hot wire anemometers are the alternative measuring devices used when the air contains particles, only small openings are available to insert a probe, high air temperature is a factor and higher ranges of air velocity need to be recorded.

\$225
LM-8000



Model LM-8000

4-in-1 multi-function meter... anemometer, humidity meter, light meter and type-K digital thermometer.

- Light: 0 to 20,000 Lux / 0 to 2,000 F-c, auto ranging
- Anemometer: 80 to 5900 fpm
- Velocity Units: m/s, km/h, mph, Knots, ft/min
- Type K Thermometer: -148 to 2372°F/-100 to 1300°C
- °F or °C
- Humidity: 10 to 95% RH
- Data Hold, Record (Max/Min)
- Includes battery

Optional Accessories:

Model CA-52A Soft Carrying Case Price \$15

\$125
LM-81AM



Model LM-81AM

A compact and lightweight vane anemometer that is simple to operate.

- Anemometer: 80 to 5900 fpm
- Measuring Units: m/s, km/h, mph, knots & ft/min
- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push button operation
- Pocket-sized
- Includes battery

Optional Accessories:

Model CA-52A Soft Carrying Case Price \$15

Specifications

Model

Air Velocity Ranges/Resolution:

m/s

km/h

mph

knots

ft/min

Temperature Range (air)/Resolution

Temperature Range (input)/Resolution

Humidity Range/Resolution

Display

Dimensions

Weight

Price

LM-8000

0.4 to 30.0 m/s / 0.1 m/s

1.4 to 108.0 km/h / 0.1 km/h

0.9 to 67.0 mph / 0.1 mph

0.8 to 58.3 knots / 0.1 knot

80 to 5910 ft/min / 1 ft/min

32 to 122°F (0 to 50°C) / 0.1°F (°C)

-148 to 2372°F (-100 to 1300°C) / 0.1°F (°C)

10 to 95% RH / 0.1% RH

Dual LCD, air velocity & temp.

6.1 x 2.4 x 1.3"/156 x 60 x 33 mm

8.8 oz/160 g

\$225

LM-81AM

0.4 to 30.0 m/s / 0.1 m/s

1.4 to 108.0 km/h / 0.1 km/h

0.9 to 67.0 mph / 0.1 mph

0.8 to 58.3 knots / 0.1 knot

80 to 5910 ft/min / 1 ft/min

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LCD

6.1 x 2.4 x 1.3"/156 x 60 x 33 mm

8.8 oz/160 g

\$125

Air Velocity Meters

\$590
YK-80AS



\$495
YK-80AM



\$349
YK-80AP



Model YK-80AS

Mini-vane anemometer permits access to restricted areas.

- Measuring Ranges: m/s, ft/min, km/h, knots, mph & temperature
- Temperature Range: 32 to 176°F / 0 to 80°C
- Dual display
- High resolution
- 13mm diameter metal mini-vane & telescopic probe to 600mm
- RS232 output
- Data hold, Record (Max/Min)
- Auto shut off
- Includes battery & hard carrying case

Model YK-80AM

Rotating vane anemometer provides direct reading of air velocity and temperature.

- Measuring Ranges: m/s, ft/min, km/h, knots, mph & temperature
- Temperature Range: 32 to 140°F / 0 to 60°C
- Dual display
- Heavy-duty metal vane probe
- RS232 output
- Data hold, Record (Max/Min)
- Auto shut off
- Includes battery & hard carrying case

Model YK-80AP

Easy-to-use digital rotating vane anemometer suitable for a variety of applications.

- Measuring ranges: m/s, ft/min, km/h, knots, mph & temperature
- Temperature Range: 32 to 122°F / 0 to 50°C
- Dual display
- Standard vane probe
- RS232 output
- Data hold, Record (Max/Min)
- Auto shut off
- Includes battery & hard carrying case

YK-80AS	YK-80AM	YK-80AP
0.8 to 12.0 m/s / 0.1 m/s	0.8 to 40.0 m/s / 0.1 m/s	0.4 to 25.0 m/s / 0.1 m/s
2.8 to 43.2 km/h / 0.1 km/h	2.8 to 144.0 km/h / 0.1 km/h	1.4 to 90.0 km/h / 0.1 km/h
1.8 to 26.8 mph / 0.1 mph	1.8 to 89.4 mph / 0.1 mph	0.9 to 55.9 mph / 0.1 mph
0.8 to 23.3 knots / 0.1 knot	1.6 to 78.1 knots / 0.1 knot	0.8 to 48.8 knots / 0.1 knot
160 to 2358 ft/min / 1 ft/min	40 to 3940 ft/min / 1 ft/min	80 to 4930 ft/min / 0.1 ft/min
32 to 176°F (0 to 80°C) / 0.1°F (°C)	32 to 140°F (0 to 60°C) / 0.1°F (°C)	32 to 122°F (0 to 50°C) / 0.1°F (°C)
-	1 x 9V battery	1 x 9V battery
-	-	-
Dual LCD, air velocity & temp.	Dual LCD, air velocity & temp.	Dual LCD, air velocity & temp.
7.9 x 2.7 x 1.2"/200 x 68 x 30 mm	7.9 x 2.7 x 1.2"/200 x 68 x 30 mm	7.9 x 2.7 x 1.2"/200 x 68 x 30 mm
7.75 oz/220 g	7.75 oz/220 g	7.75 oz/220 g
\$590	\$495	\$349

Air Velocity Meters

Features to look for in your anemometer.

Thermo-anemometers with remote sensors are the most popular models for HVAC applications. Available with vane or hot wire sensor. Display readings in multiple engineering units including ft/min, m/s, mph, knots and km/h. Simultaneous displays of velocity and temperature.

Remote Sensors
Easy to view the display on meter while reaching and placing remote sensor in ducts and exhaust hoods.

Hot Wire Sensors
For measuring low air speed and allows direct access into ducts.

Humidity
Plug-in humidity probe converts your airflow meter into a humidity meter.

PC Interface
To view and record trends in airflow and temperature measurements.



\$395
K6010



Model K6010

A compact and lightweight vane anemometer that provides fast and accurate air velocity readings.

- Designed to provide fast, accurate air velocity readings over a wide range
- Low friction ball bearing design responds to minimal fluctuations in airflow
- Remote swing vane probe for measurements in hard-to-reach locations
- Data hold allows user to freeze the displayed value
- Durable housing is made of lightweight ABS plastic
- Battery included

\$97

SW-U801-WIN



Model SW-U801-WIN

- Windows 95, 98, Me & XP compatible
- Data logging system & data recorder

Model UPCB-01 RS232 Cable Price \$30

Specifications

Model	K6010
Air Velocity Ranges/Resolution:	
m/s	0.2 to 40.0 m/s / 0.1 m/s
km/h	0.7 to 144.0 km/h / 0.1 km/h
mph	-
knots	0.4 to 77.7 knots / 0.1 knot
ft/min	80 to 5910 ft/min / 10 ft/min
Temperature Range/Resolution	-
Humidity Range/Resolution	-
RS-232 Output	No
Display	LCD
Dimensions	6.6 x 3.1 x 1.4" / 168 x 80 x 35 mm
Weight	11.5 oz / 325 g
Price	\$395

Air Velocity Meters

\$416
AM-4203



Model AM-4203

General purpose digital rotating vane anemometer suitable for a variety of applications.

- Precise velocity measurements of $\pm 2\%$ provided by a low friction ball bearing vane sensor
- Measuring Units: m/s, km/h, fpm, mph & knots
- Data hold, Record (Min/Max)
- RS232 output
- Auto shut off
- Powered by a 9V battery or optional AC adapter (battery included)

\$585
AM-4204



Model AM-4204

Hot wire anemometer is ideal for measuring low air velocities.

- Ideal for measuring velocities as low as 40 fpm
- Measuring Units: m/s, km/h, fpm, mph, knots
- Data hold, Record (Max/Min)
- Temperature Accuracy: $\pm 1.5^\circ\text{F} / \pm 0.8^\circ\text{C}$
- RS232 output
- Auto shut off
- 9V battery included

\$470
AM-4205



Model AM-4205

Easy-to-use rotating vane anemometer also measures temperature and humidity.

- Remote low-friction vane-type flow sensor
- Thin-film capacitance humidity sensor
- Data hold, Record (Max/Min)
- Temperature Accuracy: $\pm 1.5^\circ\text{F} / \pm 0.8^\circ\text{C}$
- RS232 output
- Auto shut off
- 9V battery included

AM-4203	AM-4204	AM-4205
0.4 to 25.0 m/s / 0.1 m/s	0.2 to 20.0 m/s / 0.1 m/s	0.4 to 25.0 m/s / 0.1 m/s
1.4 to 90.0 km/h / 0.1 km/h	0.7 to 72.0 km/h / 0.1 km/h	1.4 to 90.0 km/h / 0.1 km/h
0.9 to 55.9 mph / 0.1 mph	0.5 to 44.7 mph / 0.1 mph	0.9 to 55.9 mph / 0.1 mph
0.8 to 48.6 knots / 0.1 knot	1.0 to 31.1 knots / 0.1 knot	0.8 to 48.6 knots / 0.1 knot
80 to 4930 ft/min / 1 ft/min	160 to 4930 ft/min / 1 ft/min	80 to 4930 ft/min / 1 ft/min
32 to 140°F (0 to 60°C) / 0.1°F (°C)	32 to 122°F (0 to 50°C) / 0.1°F (°C)	32 to 122°F (0 to 50°C) / 0.1°F (°C)
-	-	10 to 95% RH/0.1% RH
Yes	Yes	Yes
Dual LCD, air velocity & temp.	Dual LCD, air velocity & temp.	Dual LCD, air velocity & temp.
180 x 72 x 32 mm	180 x 72 x 32 mm	180 x 72 x 32 mm
381 g	381 g	350 g
\$416	\$585	\$470