



ENGLISH

Datasheet

Stock No. 123-2202

AVM-01

Anemometer



FEATURES:

- Sensitive and accurate due to ultra low friction jewel bearing.
- Ergonomic and easy-to-use design.
- Read while measuring via detached vane sensor.
- Large 17mm 3½ digits LCD (Liquid Crystal Display).
- 2-meter coiled cable between sensor and display.
- Low power consumption.
- Data/Max hold function.
- Built-in low battery indicator.

WARNING: This anemometer is designed for measurement, not for monitoring. So please do not put it in the environment of high temperature for a long time. And in the environment over 15m/s, do not operate it for more than 1 minute.

SPECIFICATIONS (@23±5°C):

Range of Wind Velocity:

Units	Range	Resolution	Threshold	Accuracy
m/s	0.0 - 45.0	0.1	0.3	±3% ± 0.1
ft/min	0 - 8800	10	60	±3% ± 10
knots	0.0 - 88.0	0.1	0.6	±3% ± 0.1
Km/hr	0.0 - 140.0	0.1	1.0	±3% ± 0.1
mph (optional)	0.0 - 100.0	0.1	0.7	±3% ± 0.1

m/s: metres per second

ft/min: feet per minute

knots: nautical miles per hour

Km/hr: kilometers per hour

mph: miles per hour

Unit conversion table:

	m/s	ft/min	knots	Km/hr	mph
1 m/s	1	196.87	1.944	3.60	2.24
1 ft/min	0.00508	1	0.00987	0.01829	0.01138
1 knot	0.5144	101.27	1	1.8519	1.1523
1 Km/hr	0.2778	54.69	0.54	1	0.6222
1 mph	0.4464	87.89	0.8679	1.6071	1

Turbine bearing:	Sapphire jewel bearing
Sensor mounting thread:	1/4"x20 UNC female (standard camera thread)
Operating temperature:	Meter: 0 °C to 50 °C (32 °F to 122 °F) Vane: 0 °C to 60 °C (32 °F to 140 °F)
Operating humidity:	Less than 80% RH
Operating pressure:	500 mB to 2 Bar
Storage temperature:	-40 °C to 60 °C (-40 °F to 140 °F)
Power consumption:	Approx. 6 mA
Battery type:	9V Type 6LR61 or equivalent
Battery life:	50 hours typical (for 300mA-hr battery)

Averaging period for wind speed measurement:

m/s	0.6 sec.(approx.)
ft/min	1.2 sec.(approx.)
knots	1.2 sec.(approx.)
km/hr	2.2 sec.(approx.)

Dimensions:

Meter	3.46"x 6.61"x 1.03" (88x 168 x 26.2mm)
Sensor	2.60"x 5.22"x 1.15" (66x 132 x 29.2mm)

Weight: 12.34oz (350g) (including battery)

Accessories: Carrying case x 1
Users manual x 1
9V battery x 1