

# AVM-01 / AVM-03 Anemometer

## Features:

- Sensitive and Accurate (ultra low friction jewel bearing)
- Ergonomic and easy-to-use design
- Read while measuring (detached vane)
- Large 17mm 3 ½ digits LCD (Liquid Crystal Display)
- 2 meters coiled cable and mounting nut for long extension
- Low power consumption
- Data/Max hold function
- Built-in low battery indicator

## Electrical Specifications: (23°C±5°C)

### Range of Wind Velocity:

Units	Range	Resolution	Threshold	Accuracy
m/s	0.0 - 45.0	0.1	0.5	±3% ± 0.3
ft/min	0 - 8800	10	60	±3% ± 40
knots	0.0 - 88.0	0.1	0.6	±3% ± 0.4
Km/hr	0.0 - 140.0	0.1	1.0	±3% ± 0.8
mph (optional)	0.0 - 100.0	0.1	0.7	±3% ± 0.4

m/s: meter 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

### Range of Temperature: (for AVM-03 only)

	Range	Resolution	Accuracy
° C	0 - 60.0	0.1	±0.8
° F	32.0 - 140.0	0.1	±1.5

## General Specifications:

Bearing:	Sapphire jewel bearing
Temperature sensor: (for AVM-03 only)	K-type thermocouple
Mounting Nut:	1/4" x 20
Operating Temperature:	Meter: 0°C ~ 50°C (32°F ~ 122°F) Vane: 0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity:	Less than 80% RH
Operating Pressure:	500 mB ~ 2 Bar
Storage Temperature:	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption:	Approx. 6 mA
Battery Type:	9V
Battery Life:	50 hours (for 300mA-hrs 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.) mph (optional)    1.4 sec.(approx.)
Dimension: Meter	88 x 168 x 26.2mm (3.46" x 6.61" x 1.03")
Dimension: Vane	66 x 132 x 29.2mm (2.60" x 5.22" x 1.15")
Weight:	350g / 12.34oz (battery included)
Accessories:	Carrying case x 1 Users manual x 1 9V Battery x 1

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