



AVM-05 / AVM-07

Flow Anemometer

Electrical Specifications: (23°C±5°C)

Range of Wind Velocity:

Units	Range	Resolution	Threshold	Accuracy
m/s	0.0 - 45.0	0.01	0.5	±3% ± 0.3
ft/min	0 - 8800	2	60	±3% ± 20
knots	0.0 - 88.0	0.02	0.6	±3% ± 0.2
Km/hr	0.0 - 140.0	0.04	1.0	±3% ± 0.4
mph	0.0 - 100.0	0.02	0.7	±3% ± 0.2

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:

	Range	Resolution	Accuracy
° C	0 - 45.0	0.2	±1.0
° F	32.0 - 113.0	0.36	±1.8

Flow: (Auto-range, CMM: 0 - 45.00 m/s, CFM: 0 -8800 ft/min)

	Range	Resolution	Area
CFM (ft ³ /min)	0 - 999900	0.001 - 100	0.001- 9999
CMM (m ³ /min)	0 - 999900	0.001 - 100	0.001- 9999

General Specifications:

Bearing:	Sapphire jewel bearing
Temperature sensor:	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. 3 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.)
Dimension: Meter	88x 168x 26.2mm (3.46"x 6.61"x 1.03")
Dimension: Vane	66x 132x 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 Software CD x 1 (AVM-07) Software manual x 1 (AVM-07) RS232C cable x 1 (AVM-07)

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