

MINI VAN ANEMOMETER

Model : AM-4213

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement 

Mini Vane ANEMOMETER

Model : AM-4213

FEATURES

- * 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.
- * Microprocessor circuit provides special functions and offer high accuracy. and features.
- * Low-friction ball vane wheels is accurate in both high & low velocities.
- * Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.
- * Build in temperature °C, °F measurement.
- * Thermistor sensor for temp. measurement, fast response time.
- * Large LCD display.
- * Dual function meter's display.
- * Heavy duty & compact housing case.
- * Record maximum and minimum reading with recall.
- * Data hold.
- * Auto shut off saves battery life.
- * Operates from 006P DC 9V battery.
- * RS 232 PC serial interface.
- * Separate probe, easy for operation of the different measurement environment.
- * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
- * Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.

Power off	Auto shut off saves battery life or manual off by push button.
Sampling Time	Approx. 0.8 sec.
Operating Humidity	Less than 80% RH.
Operating Temperature	<i>Meter :</i> 0 °C to 50 °C (32 °F to 122 °F).
	<i>Probe :</i> 0 °C to 80 °C (32 °F to 176 °F).
Data Output	RS 232 PC serial interface.
Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Power Consumption	Approx. DC 8.3 mA.
Weight	270 g/0.6 LB, main instrument
Dimension	<i>Main instrument:</i> 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
	<i>Probe :</i> Vane - 13 mm dia. Telescope probe length - Max. 600 mm.
Accessories Included	Instruction manual..... Sensor probe..... Carrying case.....
Optional Accessories	RS232 cable.....UPCB-01 Software.....SW-U801-WIN

GENERAL SPECIFICATIONS

Circuit	Exclusive one-chip of microcomputer LSI circuit.
Display	* 13 mm (0.5") Super large LCD display. * Dual display.
Measurement	m/s (meters per second), km/h (kilometers per hour), ft/min (feet/per minute), knots (nautical miles per hour), mile/h (miles per hour), Temp.- °C, °F., Data hold.
Sensor Structure	<i>Air velocity :</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor.
Memory Recall	Record maximum & minimum reading value with recall.

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

A. Air velocity

Measure-ment	Range	Resolution	
m/s	0.8 - 12.00 m/s	0.01 m/s	± (2% + 0.2 m/sec)
km/h	2.8 - 43.2 km/h	0.1 km/h	± (2% + 0.2 km/h)
mile/h	1.8 - 26.8 mile/h	0.1 mile/h	± (2% + 0.2 mile/h)
knots	0.8 - 23.3 knots	0.1 knots	± (2% + 0.2 knots)
ft/min	160 - 2358 ft/min	1 ft/min	± (2% + 20 ft/min)
m/s - meters per second		km/h - kilometers per hour	
ft/min - feet/per minute		knots - nautical miles per hour	
mile/h - miles per hour		(international knot)	

B. Temperature

Measuring Range	0 °C to 80 °C/32 °F to 176 °F
Resolution	± 0.1 °C/0.1 °F
Accuracy	± 0.8 °C/1.5 °F
Accuracy	

* Appearance and specifications listed in this brochure are subject to change without notice.

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