



Metal Vane ANEMOMETER, Model : AM-4203M

FEATURES	
<ul style="list-style-type: none"> * Microprocessor circuit assures maximum possible accuracy, provides special functions and features. * Metallic vane probe for high Temperature measurement up to 80°C. * Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display. * Heavy duty & compact housing case. * Records Maximum, Minimum and Average readings with RECALL. * Data hold. * Operates from 006P DC 9V battery. * RS 232 PC serial interface. * Low-friction ball vane wheels is accurate in both high & low velocities. 	<ul style="list-style-type: none"> * Auto shut off saves battery life. * The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately. * 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. * 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.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Power off	Auto power off saves battery life or manual off by push button.
Display	* 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display.	Sampling Time	Approx. 0.8 sec.
		Data Output	RS 232 PC serial interface.
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.	Operating Temperature	<i>Meter :</i> 0 °C to 50 °C (32 °F to 122 °F). <i>Anemometer Probe :</i> 0 °C to 80 °C (32 °F to 176 °F).
		Operating Humidity	Less than 80% RH.
		Power Supply	006P DC 9V battery (heavy duty type).
		Power Current	Approx. DC 8.3 mA.
Sensor Structure	<i>Air velocity :</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor.	Weight	381 g/0.84 LB.
		Dimension	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch). Sensor head : Round, 72 mm Dia.
Memory Recall	Records Maximum, Minimum and Average readings with RECALL.	Accessories Included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC.

ELECTRICAL SPECIFICATIONS			
Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.1 m/s	± (2% + 2d)
km/h	1.4 - 90.0 km/h	0.1 km/h	
mile/h	0.9 - 55.9 mile/h	0.1 mile/h	
knots	0.8 - 48.8 knots	0.1 knots	
ft/min	80 - 4930 ft/min	1 ft/min	± (2% + 20 ft/min)
Temperature(°C)	0 °C to 80 °C	0.1 °C	± 1°C (0 - 50°C) ± 4°C (> 50°C)
Temperature(°F)	32 °F to 176 °F	0.1 °F	± .8 °F (32 - 122°F) ± .2 °F (> 122°F)

Note:
m/s - meters per second km/h - kilometers per hour ft/min - feet per minute
mile/h - miles per hour knots - nautical miles per hour (international knot)

* Accuracy is specified under meter's temperature under (23 ± 5°C).

* Appearance and specifications listed in this brochure are subject to change without not.CAT-0112-AM4203M