

ANEMOMETER

Model : AM-4206M

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

Metal vane, air flow + air velocity

ANEMOMETER METER

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FEATURES	
<ul style="list-style-type: none"> * Metal vane probe, heavy duty, wide range measurement. * Air flow : CMM (m³/min.) and CFM (ft³/min.) * Air velocity : m/s, ft/min, km/h, knots, mile/h. * Air temperature : C degree, F degree. * 3 air flow mode : Instant, 2/3 Vmax, Average. * Low-friction ball vane wheels is accurate in both high & low velocities. * Large LCD with dual display. * Record maximum and minimum reading with recall. * Data hold. * Microcomputer circuit provides special function & offer high accuracy. 	<ul style="list-style-type: none"> * Auto shut off saves battery life. * Thermistor sensor for temp. measurement, fast response time. * Build-in low battery indicator. * Operates from 006P DC 9V battery. * RS 232 computer 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.

GENERAL SPECIFICATIONS			
Circuit	Exclusive one-chip of micro-computer LSI circuit.	Power off	Auto shut off saves battery life or manual off by push button.
Display	* 13 mm (0.5") Super large LCD display. * Dual function meter's display.	Sampling Time	Approx. 0.8 sec.
		Operating Humidity	Less than 80% RH.
Measurement	<i>Air velocity :</i> 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), <i>Air flow :</i> CMM (m ³ /min.), CFM (ft ³ /min.) <i>Air temperature :</i> °C, °F. Data hold.	Operating Temperature	0°C to 50°C (32°F to 122°F). * Meter only.
		Data Output	RS 232 PC serial interface.
		Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Current	Approx. DC 8.3 mA.
		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	Record maximum & minimum reading value with recall.	Accessories Included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC.
Sensor Structure	<i>Air velocity & Air flow :</i> Metal structure, Conventional twisted van arm and low friction ball bearing design. <i>Temperature :</i> Thermistor.	Optional Accessories	Software (Windows version, data record & data acquisition)SW-U101-WIN RS232 cable..... UPCB-01 USB cable..... USB-01

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)			
a. Air velocity			
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
m/s	0.4 - 35.0 m/s	0.1 m/s * 0.01m/s, <10m/s	± (2 % + 0.2 m/s)
km/h	1.4 - 126.0 km/h	0.1 km/h	± (2 % + 0.8 km/h)
mile/h	0.9 - 78.3 mph	0.1 mile/h	± (2 % + 0.4 mile/h)
knots	0.8 - 68.0 knots	0.1 knots	± (2 % + 0.4 knots)
ft/min	79 - 6890 ft/min	1 ft/min	± (2 % + 40 ft/min)
b. Air flow			
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Area</i>
CMM (m ³ /min.)	0 - 999,900 m ³ /min.	0.001 - 100 m ³ /min.	0.001 - 9,999 m ² /min.
CFM (ft ³ /min.)	0 - 999,900 ft ³ /min.	0.001 - 100 ft ³ /min.	0.001 - 9,999 ft ² /min.
c. Air temperature (probe only)			
Temperature(°C)	0 to 60 °C	0.1 °C	0.8 °C
Temperature(°F)	32 to 140 °F	0.1 °F	1.5 °F

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