

*Air flow + Air Velocity , CMM, CFM, metal Vane*



# ANEMOMETER

**Model : AM-4206M**

***ISO-9001, CE, IEC1010***



**LUTRON ELECTRONIC**

***The Art of Measurement***



# Metal vane, air flow + air velocity ANEMOMETER METER

Model : AM-4206M

FEATURES	
* Metal vane probe, heavy duty, wide range measurement.	* Auto shut off saves battery life.
* Air flow : CMM ( m <sup>3</sup> /min. ) and CFM ( ft <sup>3</sup> /min. )	* Thermistor sensor for temp. measurement, fast response time.
* Air velocity : m/s, ft/min, km/h, knots, mile/h.	* Build-in low battery indicator.
* Air temperature : C degree, F degree.	* Operates from 006P DC 9V battery.
* 3 air flow mode : Instant, 2/3 Vmax, Average.	* RS 232 computer serial interface.
* Low-friction ball vane wheels is accurate in both high & low velocities.	* Separate probe, easy for operation of the different measurement environment.
* Large LCD with dual display.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* Record maximum and minimum reading with recall.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
* Data hold.	
* Microcomputer circuit provides special function & offer high accuracy.	

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 <sup>3</sup> /min. ), CFM ( ft <sup>3</sup> /min. ) <i>Air temperature :</i> °C, °F. <i>Data hold.</i>	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 Current	Approx. DC 8.3 mA.
		Weight	381 g/0.84 LB.
Memory Recall	Record maximum & minimum reading value with recall.	Dimension	Main instrument: 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ). Sensor head : Round, 72 mm Dia.
		Accessories Included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Carrying case..... 1 PC.
Sensor Structure	<i>Air velocity &amp; 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-U801-WIN RS232 cable..... UPCB-01 USB cable..... USB-01

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)			
<b>a. Air velocity</b>			
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
m/s	0.4 - 35.0 m/s	0.01 m/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>b. Air flow</b>			
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Area</i>
CMM ( m <sup>3</sup> /min. )	0 - 999,900 m <sup>3</sup> /min.	0.001 - 100 m <sup>3</sup> /min.	0.001 - 9,999 m <sup>2</sup> /min.
CFM ( ft <sup>3</sup> /min. )	0 - 999,900 ft <sup>3</sup> /min.	0.001 - 100 ft <sup>3</sup> /min.	0.001 - 9,999 ft <sup>2</sup> /min.
<b>c. Air temperature ( probe only )</b>			
Temperature(°C)	0 °C to 80 °C	0.1 °C	0.8 °C ( < 60 °C )
Temperature(°F)	32 °F to 176 °F.	0.1 °F	0.8 °C / 1.5 °F ( < 140 °F )

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