

# 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	
<ul style="list-style-type: none"> <li>* Metal vane probe, heavy duty, wide range measurement.</li> <li>* Air flow : CMM ( m<sup>3</sup>/min. ) and CFM ( ft<sup>3</sup>/min. )</li> <li>* Air velocity : m/s, ft/min, km/h, knots, mile/h.</li> <li>* Air temperature : C degree, F degree.</li> <li>* 3 air flow mode : Instant, 2/3 Vmax, Average.</li> <li>* Low-friction ball vane wheels is accurate in both high &amp; low velocities.</li> <li>* Large LCD with dual display.</li> <li>* Record maximum and minimum reading with recall.</li> <li>* Data hold.</li> <li>* Microcomputer circuit provides special function &amp; offer high accuracy.</li> </ul>	<ul style="list-style-type: none"> <li>* Auto shut off saves battery life.</li> <li>* Thermistor sensor for temp. measurement, fast response time.</li> <li>* Build-in low battery indicator.</li> <li>* Operates from 006P DC 9V battery.</li> <li>* RS 232 computer serial interface.</li> <li>* Separate probe, easy for operation of the different measurement environment.</li> <li>* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.</li> <li>* Wide applications: use this anemometer to check air conditioning &amp; heating systems, measure air velocities, wind speeds, temperature...etc.</li> </ul>

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	0°C to 50°C ( 32°F to 122°F ). * <i>Meter only.</i>
		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 &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-U101-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	0.1 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>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 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.