

# ANEMOMETER

Model : AM-4206

ISO-9001, CE, IEC1010



## FEATURES

- \* Air flow : CMM (m<sup>3</sup>/min.) and CFM (ft<sup>3</sup>/min.)
- \* Air velocity : m/s, ft/min, km/h, knots.
- \* Air temperature : °C, °F.
- \* 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 max. and min. reading value.
- \* Data hold.
- \* Microcomputer circuit.
- \* Thermistor sensor for temp. measurement, fast response time.
- \* RS 232 PC serial interface.
- \* Separate probe, easy for operation of the different measurement environment.



**Lutron**

**LUTRON ELECTRONIC**

**The Art of Measurement**

# ANEMOMETER METER, air flow + air velocity

## Model : AM-4206

FEATURES	
* 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.	* 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 PC 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.	
* Data hold.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
* Microcomputer circuit provides special function & offer high accuracy.	
* Auto shut off saves battery life.	

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.	Sampling Time	Approx. 0.8 sec.
	* Dual function meter's display.	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),	Operating Temperature	0°C to 50°C ( 32°F to 122°F).
		Data Output	RS 232 PC serial interface.
		Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
	<i>Air flow :</i> CMM ( m <sup>3</sup> /min. ), CFM ( ft <sup>3</sup> /min. )	Power Current	Approx. DC 8.3 mA.
	<i>Air temperature :</i> °C, °F.	Weight	381 g/0.84 LB.
	<i>Data hold.</i>	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> Conventional twisted van arm and low friction ball bearing design.	Optional Accessories	Software ( Windows version, data record & data acquisition ) .....SW-U101-WIN RS232 cable....UPCB-01
	<i>Temperature :</i> Thermistor.		

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 - 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	± ( 2% + 20 ft/min )
ft/min	80 - 4930 ft/min	1 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>3</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>3</sup> /min.
<b>c. Air temperature</b>			
Temperature(°C)	0 to 50 °C	0.1 °C	0.8 °C
Temperature(°F)	32 to 122 °F	0.1 °F	1.5 °F