

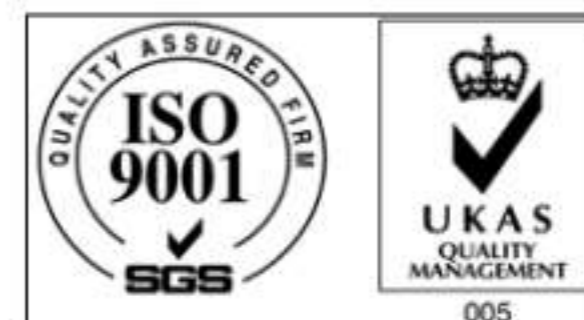




# ANEMOMETER

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.   | Sampling Time         | Approx. 0.8 sec.  |
|                        | * Dual function meter's display.  | Operating Humidity    | Less than 80% RH.   |
| Measurement            | <i>Air velocity :</i><br>m/s (meters per second),<br>km/h (kilometers per hour),<br>ft/min (feet/per minute),<br>knots (nautical miles per hour),<br>mile/h (miles per hour), | Operating Temperature | 0°C to 50°C ( 32°F to 122°F ).<br>* 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.  |
|                        | <i>Air flow :</i><br>CMM ( m <sup>3</sup> /min. ),<br>CFM ( ft <sup>3</sup> /min. )   | Weight                | 381 g/0.84 LB.  |
|                        |   | Dimension             | Main instrument:<br>180 x 72 x 32 mm<br>( 7.1 x 2.8 x 1.3 inch ).   |
|                        | <i>Air temperature :</i><br>°C, °F.   |                       |   |
| <i>Data hold.</i>      |   |                       |   |
| Memory Recall          | Record maximum & minimum reading value with recall.   | Accessories Included  | Instruction manual..... 1 PC.<br>Sensor probe..... 1 PC.<br>Carrying case..... 1 PC.  |
| Sensor Structure       | <i>Air velocity &amp; Air flow :</i><br>Metal structure, Conventional twisted van arm and low friction ball bearing design.<br><i>Temperature :</i><br>Thermistor.            | Optional Accessories  | Software ( Windows version, data record & data acquisition )<br>.....SW-U101-WIN<br>RS232 cable.....UPCB-01<br>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<br>* 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.

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