

*metal vane*

# ANEMOMETER

Model : YK-80AM

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# metal vane ANEMOMETER

Model : YK-80AM

| FEATURES   |   |
|--|---|
| * Microprocessor circuit assures maximum possible accuracy, provides special functions and features. | * Build in temperature °C, °F measurement.  |
| * Metal vane, heavy duty & wide range air flow measurement.  | * The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.       |
| * Large LCD with Dual function meter's display.  | * Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.  |
| * Heavy duty & compact housing case.   | * Thermistor sensor for Temp. measurement, fast response time.  |
| * Records Maximum and Minimum reading with RECALL.   | * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.                                       |
| * Data hold.   |   |
| * Auto shut off saves battery life.  |   |
| * Operates from 006P DC 9V battery.  | * Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc. |
| * RS 232 PC serial interface.  |   |
| * Low-friction ball vane wheels is accurate in both high & low velocities.                           |   |

| GENERAL SPECIFICATIONS |  |                       |  |
|------------------------|--|-----------------------|--|
| Circuit                | Custom one-chip of micro-processor LSI circuit.  | Over load Indication  | Indicated by " - - - - ".  |
| Display                | * 51 mm x 32 mm supper large LCD display.<br>* Dual function meter's display.  | Operating Temperature | Meter :<br>0 °C to 50 °C (32 °F to 122 °F).<br>Vane Probe :<br>0 °C to 60 °C (32 °F to 140 °F).    |
| Measurement            | 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),<br>Temp.- °C, °F.,<br>Data hold. | Operating Humidity    | Less than 80% RH.  |
|                        |  | Power Supply          | 006P DC 9V battery (heavy duty type).  |
|                        |  | Power Current         | Approx. DC 8.3 mA.   |
|                        |  | Weight                | 220 g/0.48 LB.   |
| Sensor Structure       | <i>Air velocity :</i><br>* Metal diecasting structure.<br>* Conventional twisted van arm and low friction ball bearing design.<br><br><i>Temperature :</i> Thermistor.               | Dimension             | Main Instrument :<br>200 x 68 x 30 mm<br>(7.9x2.7x1.2 inch).<br>Sensor head :<br>Round, 72 mm Dia. |
|                        |  | Accessories Included  | Instruction manual..... 1 PC.<br>Anemometer probe.....1 PC.<br>Carrying case, CA-06..... 1 PC.     |
| Memory Recall          | Records Maximum and Minimum readings with Recall.  | Optional Accessories  | RS232 cable , UPCB-02.<br>USB cable , USB-01.<br>Application windows software, SW-U801-WIN.        |
| Power Off              | Auto shut off saves battery life or manual off by push button.   |                       |  |
| Sampling Time          | Approx. 0.8 sec.   |                       |  |
| Data Output            | RS 232 PC serial interface.  |                       |  |

| ELECTRICAL SPECIFICATIONS (23 ± 5°C)   |                  |            |                       |
|--|------------------|------------|-----------------------|
| Measurement  | Range            | Resolution | Accuracy              |
| m/s  | 0.4 - 35.0 m/s   | 0.1 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 )  |
| Temperature(°C)  | 0 °C to 60 °C    | 0.1 °C     | ± 0.8 °C              |
| Temperature(°F)  | 32 °F to 140 °F  | 0.1 °F     | ± 1.5 °F              |
| <i>Note:</i><br>m/s - meters per second    km/h - kilometers per hour    ft/min - feet/per minute<br>mile/h - miles per hour    knots - nautical miles per hour (international knot) |                  |            |                       |

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

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