

# ANEMOMETER

**Model : MY-81AP**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# ANEMOMETER

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## FEATURES

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

Power off	Manual off by push button or Auto shut off after 10 minutes ( Not activated during memory record function ).
Data Output	RS 232 PC serial interface.
Over load indication	Indicated by "- - -".
Operating Temperature	0 °C to 50 °C ( 32 °F to 122 °F ).
Operating Humidity	Max. 80% RH.
Power Supply	DC 1.5 V battery ( UM4, AAA ) x 6 PCs, or equivalent.
Power Current	Approx. DC 8.3 mA.
Weight	387 g/0.85 LB.
Size	<i>Main instrument:</i> 174 x 68 x 42 mm ( 6.9 x 2.7 x 1.7 inch ).
	<i>Vane Probe Head:</i> Round, 72 mm Dia.
Accessories Included	Instruction manual..... 1 PC. Vane probe..... 1 PC. Carrying case, CA-06..... 1 PC.
	* RS232 cable, UPCB-02 * USB cable, USB-01 * Data Acquisition software, SW-801-WIN

## GENERAL SPECIFICATIONS

Display	* 51 mm x 32 mm supper large LCD display. * Dual function meter's display.
Measurement	m/s ( meters per second ), km/h ( kilometers per hour ), ft/min ( feet/per minute ), knots ( nautical miles per hour ), mph ( mile/h, miles per hour ), Temp.- °C, °F., Data hold.
Sensor Structure	<i>Air velocity sensor :</i> Conventional twisted van arm and low friction ball bearing design.  <i>Temperature sensor :</i> Precision thermistor.
Circuit	Custom one-chip microprocessor LSI circuit.
Memory Recall	Records Maximum and Minimum readings with recall.

## ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )

### A. Air velocity

Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.1 m/s 0.01m/s, <10m/s	± (2%+0.2m/s)
km/h	1.4 - 90.0 km/h	0.1 km/h	± (2%+0.8km/h)
mph	0.9 - 55.9 mile/h	0.1 mile/h	± (2%+0.4mile/h)
knots	0.8 - 48.8 knots	0.1 knots	± (2%+0.4knots)
ft/min	80 - 4930 ft/min	1 ft/min	± (2%+40 ft/min)
<p>Note:</p> <p>m/s - meters per second      km/h - kilometers per hour  ft/min - feet/per minute      knots - nautical miles per hour  mph - miles per hour                      (international knot)</p>			

### B. Temperature

Measuring Range	0 °C to 50 °C/32 °F to 122 °F
Resolution	0.1 °C/0.1 °F
Accuracy	± 0.8 °C/1.5 °F

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

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