

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)
Note: 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)			

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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