

# ANEMOMETER

Model : YK-80AP

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 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.	
* Records Maximum and Minimum reading with RECALL.	* Thermistor sensor for Temp. measurement, fast response time.
* Data hold.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* Auto shut off saves battery life.	
* Operates from 006P DC 9V battery.	
* RS 232 PC serial interface.	
* Low-friction ball vane wheels is accurate in both high & low velocities.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
* Build in temperature °C, °F measurement.	

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. * Dual function meter's display.	Operating Temperature	Meter : 0 °C to 50 °C (32 °F to 122 °F). Vane Probe : 0 °C to 60 °C (32 °F to 140 °F).
Measurement	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), Temp.- °C, °F., Data hold.		Operating Humidity
		Power Supply	006P DC 9V battery (heavy duty type).
		Power Current	Approx. DC 6 mA.
		Weight	220 g/0.48 LB.
Sensor Structure	<i>Air velocity :</i> Conventional twisted van arm and low friction ball bearing design.	Dimension	Main Instrument : 207 x 68 x 29 mm ( 8.1 x 2.7 x 1.1 inch).
	<i>Temperature</i> Thermistor.		Sensor head : Round, 72 mm Dia.
Memory Recall	Records Maximum and Minimum readings with RECALL.	Accessories Included	Instruction manual..... 1 PC. Anemometer probe..... 1 PC. Carrying case, CA-06..... 1 PC.
Power Off	Auto shut off saves battery life or manual off by push button.	Optional Accessories	RS232 cable, UPCB-02.
Sampling Time	Approx. 0.8 sec.		USB cable, USB-01.
Data Output	RS 232 PC serial interface.		Application windows software, SW-U801-WIN.

ELECTRICAL SPECIFICATIONS (23 ± 5°C)			
Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.01 m/s	± ( 2% + 0.2 m/s )
km/h	1.4 - 90.0 km/h	0.1 km/h	± ( 2% + 0.8 km/h )
mile/h	0.9 - 55.9 mile/h	0.1 mile/h	± ( 2% + 0.4 mile/h )
knots	0.8 - 48.8 knots	0.1 knots	± ( 2% + 0.4 knots )
ft/min	80 - 4930 ft/min	1 ft/min	± ( 2% + 40 ft/min )
Temperature(°C)	0 °C to 50 °C	0.1 °C	± 0.8 °C
Temperature(°F)	32 °F to 122 °F	0.1 °F	± 1.5 °F
<i>Note:</i> m/s - meters per second km/h - kilometers per hour ft/min - feet/per minute 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.

1607-YK80AP

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* Data hold.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
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* Operates from 006P DC 9V battery.	
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Measurement	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), Temp.- °C, °F., Data hold.	Operating Humidity	Less than 80% RH.
		Power Supply	006P DC 9V battery (heavy duty type).
		Power Current	Approx. DC 6 mA.
		Weight	220 g/0.48 LB.
		Dimension	Main Instrument : 207 x 68 x 29 mm ( 8.1 x 2.7 x 1.1 inch). Sensor head : Round, 72 mm Dia.
Sensor Structure	<i>Air velocity :</i> Conventional twisted van arm and low friction ball bearing design. <i>Temperature</i> Thermistor.	Accessories Included	Instruction manual..... 1 PC. Anemometer probe..... 1 PC. Carrying case, CA-06..... 1 PC.
Memory Recall	Records Maximum and Minimum readings with RECALL.	Optional Accessories	RS232 cable, UPCB-02. USB cable, USB-01. Application windows software, SW-U801-WIN.
Power Off	Auto shut off saves battery life or manual off by push button.		
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knots	0.8 - 48.8 knots	0.1 knots	± ( 2% + 0.4 knots )
ft/min	80 - 4930 ft/min	1 ft/min	± ( 2% + 40 ft/min )
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