

# ANEMOMETER *mini vane*

Model : YK-80AS

ISO-9001, CE, IEC1010



## FEATURES

- \* 13 mm dia heavy duty mini vane with telescope probe, for high temp. air velocity measurement.
- \* Low-friction ball vane wheels is accurate in both high & low velocities.
- \* Separate probe, easy for operation.
- \* Air velocity measurement : m/s, km/h, ft/min, knots. mile/h.
- \* Temp display unit : °C, °F.
- \* Thermistor sensor for Temp. measurement, fast response time.
- \* Large LCD, show both of air velocity & the temperature value.
- \* Records Maximum and Minimum reading with recall.
- \* Data hold.
- \* Auto power shut off .
- \* RS 232 PC serial interface.
- \* Wide applications :  
Check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.



LUTRON ELECTRONIC

*The Art of Measurement*

# mini vane ANEMOMETER

Model : YK-80AS

FEATURES	
* 13 mm dia heavy duty mini vane with telescope probe available for high temp. air velocity measurement.	* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Low-friction ball vane wheels is accurate in both high & low velocities.	* Large LCD with Dual function display.
* Dual temperature display units : °C, °F.	* Heavy duty & compact housing case.
* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.	* Records Maximum and Minimum reading with Recall.
* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.	* Data hold.
* Thermistor sensor for Temp. measurement, fast responding time.	* Auto shut off saves battery life.
	* Operates from 006P DC 9V battery.
	* RS 232 PC serial interface.
	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Operating Temperature	Meter : 0 °C to 50 °C (32 °F to 122 °F).
Display	* 51 mm x 32 mm LCD size. * Dual function meter's display.		Vane Probe : 0 °C to 80 °C (32 °F to 176 °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	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.
		Dimension	Main Instrument : 200 x 68 x 30 mm (7.9x2.7x1.2 inch).
Sensor Structure	<i>Air velocity :</i> Conventional twisted van arm and low friction ball bearing design.		Probe : * Vane - 13 mm dia. * Telescope probe length - Max. 600 mm.
	<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 Datalogger 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	0.8 - 12.00 m/s	0.01 m/s	± (2% + 0.2 m/sec)
km/h	2.8 - 43.2 km/h	0.1 km/h	± (2% + 0.2 km/h)
mile/h	1.8 - 26.8 mile/h	0.1 mile/h	± (2% + 0.2 mile/h)
knots	0.8 - 23.3 knots	0.1 knots	± (2% + 0.2 knots)
ft/min	160 - 2358 ft/min	1 ft/min	± (2% + 20 ft/min)
Temperature(°C)	0 °C to 80 °C	0.1 °C	± 0.8 °C
Temperature(°F)	32 °F to 176 °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.

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