ANEMOMETER

Model : YK-80AP

ISO-9001, CE, IEC1010

FEATURES

* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Large LCD with dual function meter's display
* Records Maximum and Minimum reading with RECALL.
* Data hold.
* RS 232 PC serial interface.
* Low-friction ball vane wheels.
* Build in temperature ℃, ℉ measurement.
* The portable anemometer provides fast, accurate readings and the convenience of a remote sensor separately.
* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.
* Thermistor sensor for Temp. measurement, fast response time.
* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.

LUTRON ELECTRONIC

The Art of Measurement

ANEMOMETER
Model : YK-80AP

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.	* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.
* Low-friction ball vane wheels is accurate in both high & low velocities.	
* Build in temperature ℃, ℉ 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 ℃ to 50 ℃(32 ℉ to 122 ℉).
			Vane Probe : 0 ℃ to 60 ℃(32 ℉ to 140 ℉).
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.- ℃, ℉., 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.
Sensor Structure	*Air velocity :* 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).
	Temperature 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℃)			
Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.1 m/s	± (2% + 0.2 m/s)
km/h	1.4 - 90.0 km/h	0.1 km/h	± (2% + 0.2 km/h)
mile/h	0.9 - 55.9 mile/h	0.1 mile/h	± (2% + 0.2 mile/h)
knots	0.8 - 48.8 knots	0.1 knots	± (2% + 0.2 knots)
ft/min	80 - 4930 ft/min	1 ft/min	± (2% + 20 ft/min)
Temperature(℃)	0 ℃ to 50 ℃	0.1 ℃	± 0.8 ℃
Temperature(℉)	32 ℉ to 122 ℉	0.1 ℉	± 1.5 ℉

Note:
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)