

*out side air speed measurement*

# CUP ANEMOMETER

**Model : AM-4220**

*ISO-9001, CE, IEC1010*



## FEATURES

- \* Out side air speed measurement.
- \* 0.9 to 35.0 m/s, ft/min., km/h. knots.
- \* All in one, hand held type.
- \* Cup type probe, high reliability.
- \* LCD display, Record ( max., min. ).
- \* Data logger.
- \* Water resistance, heavy duty.
- \* DC 1.5V battery ( UM-4, AAA ) x 4.



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

Wind speed measurement, pocket type, IP-65

# CUP ANEMOMETER

Model : AM-4220

## 1. FEATURES

* Cup vane anemometer, available for wind speed measurement, high reliability.
* Measurement range : 0.9 to 35.0 m/s
* Unit : m/s, km/h, ft/min, knot, mile/h.
* LCD display.
* IP 65, water resistance.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Records Maximum and Minimum readings with recall.
* 100 point data logger with recall.
* Data hold.
* Auto power off saves battery life.
* Operates from DC 1.5V ( UM4/AAA ) x 4 PCs batteries.
* Low-friction ball vane wheels is accurate in both high and low velocities.
* Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing.

Sensor	Cup van probe with low friction ball
Structure	bearing design.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time of display	Approx. 1 second.
Power off	Auto shut off saves battery life or manual off by push button.
Operating Temperature	0 to 50 °C.
Operating Humidity	Less than 80% R.H.
Power Supply	DC 1.5 V battery ( UM4/AAA ) x 4 PCs,
Power Current	Approx. DC 6.8 mA
Weight	181 g/ 0.4 LB. @ Battery is included.
Dimension	<i>Main instrument :</i> 190 x 40 x 32 mm (7.5" x 1.6" x 1.3") <i>Cup vane ( 3 cups with arm ) :</i> 135 mm dia.
Accessories	Instruction manual.....1 PC
Included	Carrying case..... 1 PC

## 2. SPECIFICATIONS

### 2-1 General Specifications

Display	LCD size : 28 mm x 19 mm.
Measurement	m/S (meters per second)
Unit	Km/h ( kilometers per hour ) Knot ( nautical miles per hour ) ft/min ( feet per minute ) mile/h ( miles per hour )
Circuit	Custom one-chip of microprocessor LSI circuit.
Data Logger	Max. can save 100 point data with recall. Manual, push the data logger button once will save data one time.

### 2-2 Electrical Specifications (23± 5 °C)

Measurement	Range	Resolution	Accuracy @ reading
m/S	0.9 - 35.0 m/S	0.1 m/S	± ( 2%+0.2 m/S)
Km/h	2.5 - 126.0 Km/h	0.1 Km/h	± ( 2%+0.8 Km/h)
Knot	1.4 - 68.0 Knots	0.1 Knots	± ( 2%+0.4 Knots)
Ft/min	144 - 6895 Ft/min	1 Ft/min	± ( 2%+40 Ft/min)
Mile/h	1.6 - 78.2 Mile/h	0.1 Mile/h	± ( 2%+0.4 Mile/h)

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