VANE ANEMOMETER
HUMIDITY/TEMPERATURE

Model : AH-4223 *ISO-9001, CE, IEC1010*

Lutron

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VANE ANEMOMETER HUMIDITY/TEMP.

Model : AH-4223

FEATURES

* Anemometer, Humidity, Temperature meter, 4 in one, professional.
* Anemometer unit : m/S, Km/h, FPM, mph, Knot.
* Humidity with Dew point measurement
* Temperature measurement with ℃, ℉ unit.
* Vane anemometer, available for wind speed measurement, high reliability.
* Fast response time for humidity measurement.
* Two display can select the three mode (function) : Humidity/Temp., Humidity/Dew point, Anemometer/Temp..
* Bright LCD display.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Records Maximum and Minimum readings with recall.
* 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.

GENERAL SPECIFICATIONS

Display	LCD size : 28 mm x 19 mm.	
Anemometer Unit	m/S (meters per second) Km/h (kilometers per hour) FPM (feet per minute) mph (miles per hour) Knot (nautical miles per hour)	
Temp. unit	℃, ℉	
Humidity unit	%RH	
Dew point	℃, ℉	
Circuit	Custom one-chip of microprocessor LSI circuit.	
Sensor Structure	Anemometer	Van probe with low friction ball bearing design.
	Humidity	Capacitance humidity sensor, semiconductor
	Temperature	Semiconductor
Data Hold	Freeze the display reading.	
Memory Recall	Maximum & Minimum value.	
Sampling Time	Approx. 1 second.	
Power off	Auto shut off saves battery life or manual off (REC function).	
Operating Temperature	0 to 50 ℃.	
Operating Humidity	Less than 80% R.H.	
Power Supply	DC 1.5 V battery (UM4/AAA) x 4 PCs,	
Power Current	Approx. DC 5.2 mA	

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Weight	182 g/ 0.4 LB. *@ Battery is included.*
Dimension	205 x 48 x 40 mm (8.1" x 1.9" x 1.6")
Accessories Included	Instruction manual.....1 PC
Optional Accessory	Soft carrying case with sash (210 x 80 x 50 mm), Model : CA-52A

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

Anemometer (Air velocity)

Measurement	*Range*	*Resolution*	*Accuracy*
m/S	0.4 to 30.0 m/s	0.1 m/S	≦ 20 m/s :
Km/h	1.4 to 108.0 km/h	0.1 Km/h	± 3% F.S.
FPM	80 to 5910 ft/min	1 Ft/min	> 20 m/s :
mph	0.9 to 67.0 mile/h	0.1 Mile/h	± 4% F.S.
Knot	0.8 to 58.3 knots	0.1 Knots	

Note :

m/S (meters per second) *mph (miles per hour)*

Km/h (kilometers per hour) *Knot (nautical miles per hour)*

FPM (feet per minute)

Temperature

Measuring Range	0 ℃ to 50 ℃/32 ℉ to 122 ℉
Resolution	0.1 ℃/0.1 ℉
Accuracy	± 0.8 ℃/1.5 ℉

Humidity / Dew point

a. Humidity

Range	10 % to 95 % R.H.
Resolution	0.1 % R.H.
Accuracy	≧70% RH ± (3% reading + 1% RH). < 70% RH - 3% RH. ± 3% RH.

b. Dew point

℃	Range	-25.3 ℃ to 48.9 ℃
	Resolution	0.01 ℃
℉	Range	-13.5 ℉ to 120.1 ℉.
	Resolution	0.01 ℉.

Remark :

** Dew Point display value is calculated from the Humidity/Temp. measurement automatically.*

** The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement..*

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

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