Anemometer, Humidity Light Meter, Thermometer

Model : LM-8000A   *ISO-9001, CE, IEC1010*

LUTRON

LUTRON ELECTRONIC

The Art of Measurement

4 in 1
Anemometer, Humidity Light Meter, Thermometer
Model : LM-8000A

FEATURES

* The LM-8000 is a 4 in 1 professional measuring instrument: Anemometer, Hygrometer, Thermometer, and Light meter.
* Tiny bone shape with lightweight and small size case design are suitable for handling with one hand.
* Wristlet design provides extra protection to the instrument especially for user one hand operation.
* Anemometer uses the magnetic sensor structure, Low-friction ball bearing mounted wheel design provides high accuracy at high and low air velocity.
* Exclusive photo diode and color correction filter light sensor, spectrum meets C.I.E. photopic.
* High precision thin-film capacitance humidity sensor with fast response to the humidity variety.
* Standard type K (NiCr-NiAl) thermocouple outlet suitable for all kinds of type K probe.
* Build in microprocessor circuit assures excellent performance and accuracy.
* Concise and compact buttons arrangement, easy operation.
* Memorize the maximum and minimum value with recall.
* ℃/℉ selectable by pressing button on the front panel.
* Lux/Feet-candle selectable by pressing button on the front panel.
* Air velocity measuring units selectable by pressing button on the front panel for five kinds of units.
* Multi channels display for relative humidity and temperature measured values or air velocity and temperature measured values at the same time.
* Zero button design makes light meter calibration.
* Hold function to freeze the current reading value.

GENERAL SPECIFICATIONS

Display	LCD display, 8 mm digit height.
Measurement	Anemometer, Humidity, Temperature. Light
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50° C (32 to 122° F)
Over Input Display	Indication of "- - - - "
Power Supply	006P DC 9V battery (Heavy duty type)
Power Consumption	Approx. DC 6.2 mA
Weight	160g (battery included)
Dimension	HWD 156x60x33 mm (6.14x2.36x1.29 inch).
Standard Accessory	Instruction Manual
Optional Accessories	Carrying case. Type K Temperature probe.

ELECTRICAL SPECIFICATION (23 ± 5℃)

Measurement		Range	Resolution
Air velocity	ft/min	80 to 5910 ft/min	1 ft/min
	m/s	0.4 to 30.0 m/s	0.1 m/s
	km/h	1.4 to 108.0 km/h	0.1 km/h
	MPH	0.9 to 67.0 mile/h	0.1 MPH
	knots	0.8 to 58.3 knots	0.1 knots
	Temperature (thermister)	32 to 122 ℉	0.1 ℉
		0 to 50 ℃	0.1 ℃
Humidity	% RH	10 to 95 %RH	0.1 %RH
	Temperature (thermister)	32 to 122 ℉	0.1 ℉
		0 to 50 ℃	0.1 ℃
Light	Lux	0 to 20,000 Lux	1 Lux
	Ft-cd	0 to 2,000 Fc	1 Ft-cd
Temperature (Type K)		-148 to 2372 ℉	0.1 ℉
		-100 to 1300 ℃	0.1 ℃

Measurement	Range	Accureacy
Air velocity	80 to 5910 ft/min	
	0.4 to 30.0 m/s	≦ 20 m/s : ± 3% F.S.
	1.4 to 108.0 km/h	> 20 m/s : ± 4% F.S.
	0.9 to 67.0 mile/h	
	0.8 to 58.3 knots	
	32 to 122 ℉	± 2.5 ℉
	0 to 50 ℃	± 1.2 ℃
Humidity	10 to 95 %RH	< 70% RH : ± 4 %RH ≧70% RH : ± (4%rdg + 1.2 %RH)
	32 to 122 ℉	± 2.5 ℉
	0 to 50 ℃	± 1.2 ℃
Light	0 to 20,000 Lux	± 5% rdg ± 8 dgt
	0 to 2,000 Fc	
Temperature (Type K)	-148 to 2372 ℉	± (1% rdg + 2℉)
	-100 to 1300 ℃	± (1% rdg + 1℃)

Remark :

ft/min : feet per minute   MPH : miles per hour

m/s : meters per second   knots : nautical miles per hour

km/h : kilometers per hour   Ft-cd : feet candle

OPTIONAL TEMPERATURE PROBE AND OTHER ACCESSORIES

Thermocouple Probe (Type K)	TP-01, TP-02A, TP-03, TP-04
Carrying case CA-52A	* High quality carrying case with sash.

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

1209-LM8000A