

Anemometer, Humidity Light Meter, Thermometer



Model : LM-8000A

ISO-9001, CE, IEC1010



Lutron

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4 in 1

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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.
- * °C/°F 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.

ELECTRICAL SPECIFICATION (23 ± 5°C)

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

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