

7 in 1

Anemometer, Air flow Humidity/Temp., Dew point Light, Barometer, type K Temp.

Model : LM-9000

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

7 in 1

Anemometer, Air flow, Humidity/Temp. meter Dew point, Light Meter, Barometer. Type K Temp.

FEATURES

* 7 in 1 : Anemometer, Air flow, Humidity/Temp. meter Dew point, Light Meter, Barometer. Type K thermometer
* 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.
* 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 humidity sensor with fast response time.
* Standard type K (NiCr-NiAl) thermocouple input jack suitable for all kinds of type K probe.
* Barometer : 10 to 1100 hPa, mmHg, inHg.
* Built- 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 detection by pressing button on the front panel.
* Lux/Feet-candle selection by pressing button on the front panel.
* Air velocity measuring units selection by pressing button on the front panel for five kinds of units.
* Multi channel 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.
* Tiny bone shape with light weight and small size

GENERAL SPECIFICATIONS

Display	8 mm LCD display
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. Temperature probe,

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

ELECTRICAL SPECIFICATION (23 ± 5°C)

Air velocity, Humidity/Temp.,Light, Temp. (Type K)			
Measurement	Unit	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	32 to 122 °F	0.1 °F
	(Semiconductor)	0 to 50 °C	0.1 °C
Humidity	% RH	10 to 95 %RH	0.1 %RH
	Temp., °F	32 to 122 °F	0.1 °F
	Temp., °C	0 to 50 °C	0.1 °C
Light	Lux	0 to 2,200 Lux	1 Lux
		1,800 to 20,000 Lux	10 Lux
	* auto range	0 to 204.0 Fc	0.1 Ft-cd
		170 to 1,860 Fc	1 Ft-cd
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	$\leq 20 \text{ m/s} : \pm 3\% \text{ F.S.}$ $> 20 \text{ m/s} : \pm 4\% \text{ F.S.}$
	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	$< 70\% \text{ RH} :$ $\pm 4\% \text{ RH}$ $\geq 70\% \text{ RH} :$ $\pm (4\% \text{rdg} + 1.2\% \text{RH})$
	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 1,860 Fc	
Temperature (Type K)	-148 to 2372 °F	± (1% rdg + 2°F)
	-100 to 1300 °C	± (1% rdg + 1°C)

Measurement	Area setting
CMM	0.001 to 30.000 meter square
CFM	0.01 to 322.92 feet square

Barometric pressure (Barometer)

Unit	Range	Resolution	Accuracy
hPa	10.0 to 999.9	0.1 hpa	± 1.5 hPa
	1000 to 1100	1 hpa	± 2 hPa
mmHg	7.5 to 825.0	0.1 mmHg	± 1.2 mmHg
inHg	0.29 to 32.48	0.01 inHg	± 0.05 inHg

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