Anemometer, Humidity
Light Meter, Thermometer

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

www.yalab.com.tw   02-2389-0101

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The Art of Measurement

4 in 1
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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.

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	≦ 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 ℉	± 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