

Anemometer, Humidity Light Meter, Thermometer



Model : LM-8000A

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

INSPECT USA
www.InspectUSA.com

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. | |
| * °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°C) | | | |
|---------------------------------------|----------------------------|--------------------|------------|
| 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 °F | 0.1 °F |
| | | 0 to 50 °C | 0.1 °C |
| Humidity | % RH | 10 to 95 %RH | 0.1 %RH |
| | Temperature (thermister) | 32 to 122 °F | 0.1 °F |
| | | 0 to 50 °C | 0.1 °C |
| 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 °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 | ± 2.5 °F |
| | 32 to 122 °F | |
| | 0 to 50 °C | ± 1.2 °C |
| Humidity | 10 to 95 %RH | < 70% RH : ± 4 %RH ≥ 70% RH : ± (4%rdg + 1.2 %RH) |
| | | ± 2.5 °F |
| | | ± 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.