



Lutron LM-8000 4 IN 1 PROFESSIONAL INSTRUMENT

- **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
- **Low-friction ball vane wheels** 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
- **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 selectable** by pressing button on the front panel
- **Lux/Foot-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 times
- **Zero button** design makes light meter calibration
- **Hold function** to freeze the current reading value
- **Supplied with** operating manual

SPECIFICATIONS

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|---------------------|--|
| Display: | LCD display, 8 mm digit height |
| Measurement: | Anemometer, Humidity, Temperature, Light |

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|-------------------------------|--|
| Operating temperature: | 0 to 50°C (32 to 122°F) |
| Operating humidity: | max. 80% RH |
| Over input display: | Indication of "----" |
| Power supply: | 006P DCa 9V battery (Heavy Duty Type) |
| Power consumption: | approx DC 6.2 mA |
| Dimension: | 156 x 60 x 33 mm (6.14 x 2.36 x 1.29 inch) |
| Weight: | 160 gr. battery included |

ELECTRICAL SPECIFICATIONS (23°C ±5°C)

| Measurement | | Range | Resolution | Accuracy |
|-----------------------------|-----------------------------|------------------------|----------------|---|
| Air velocity | ft/min | 80 - 5910 ft/min | 1 ft/min | ≤ 20 m/s: ±3% FS > 20 m/s: ±4% FS |
| | m/s | 0.4 - 30.0 m/s | 0.1 m/s | |
| | km/h | 1.4 - 108.0 km/h | 0.1 km/h | |
| | MPH | 0.9 - 67.0 mile/h | 0.1 MPH | |
| | knots | 0.8 - 58.3 knots | 0.1 knots | |
| | Temperature (Thermistor) | 32 - 122°F 0 - 50°C | 0.1°F 0.1°C | ±2.5°F ±1.2°C |
| Humidity | % RH | 10 - 95% RH | 0.1% RH | < 70% RH: ±4% RH ≥ 70% RH: ±(4%rdg + 1.2% RH) |
| | Temperature (Thermistor) | 32 - 122°F 0 - 50°C | 0.1°F 0.1°C | ±2.5°F ±1.2°C |
| Light | Lux | 0 - 20,000 Lux | 1 Lux | ±5% rdg ±8dgt |
| | Ft-cd | 0 - 2,000 Fc | 1 Ft-cd | |
| Temperature (type K) | | -148 ~ 2372° F | 0.1°F | ±(1% rdg + 2°F) |
| | | -100 ~ 1300° C | 0.1°C | ±(1% rdg + 1°C) |

OPTIONAL ACCESSORIES

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|---------------|---|
| CA-52A | Carrying case with sash |
| | Termocouple probe type K (-40 ~ 250°C / -40 ~ |

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|----------------------|--|
| <u>TP-01</u> | 482°F) |
| <u>TP-02A</u> | Termocouple probe type K (-50 ~ 900°C / -50 ~ 1650°F) |
| <u>TP-03</u> | Termocouple probe type K (-50 ~ 1200°C / -50 ~ 2200°F) |
| <u>TP-04</u> | Surface probe type K (-50 ~ 400°C / -50 ~ 752°F) |