# REED INSTRUMENTS

## Multi-Function Environmental Meter
### Model LM-8000

CERTIFICATION TRACEABLE AVAILABLE!

WARRANTY 1 YEAR WARRANTY

## TECHNICAL DATA

**Temperature**

| | |
|---|---|
| Measuring Ranges: | Air Temperature: 32 to 122.0°F (0 to 50°C) |
| | Contact Temperature (Type K): -148 to 2372°F (-100 to 1300°C) |
| Accuracy: | Air Temperature: ±1.2°C (2.5°F) |
| | Contact Temperature: ±(1% rdg +2°F(1°C)) |
| Resolution: | 0.1°F/°C |

**Humidity**

| | |
|---|---|
| Measuring Range: | 10 to 95% RH |
| Accuracy: | ≥70%RH: ±(4% rdg + 1.2%RH) |
| | <70%RH: ±4%RH |
| Resolution: | 0.1% RH |

**Light**

| | |
|---|---|
| Measuring Range: | 0 to 20,000 Lux (0 to 1860 Ft-cd) |
| Accuracy: | ±(5% rdg ± 8 dgt) |
| Resolution: | 0 to 2200 Lux (0 to 204.0 Ft-cd): 1 Lux / 0.1 Ft-cd |
| | 1800 to 20,000 Lux (170 to 1860 Ft-cd): 10 Lux / 1 Ft-cd |

**General Specifications**

| | |
|---|---|
| Response Time: | 1 sec |
| Display: | LCD |
| Data Hold: | Yes |
| Min: | Yes |
| Max: | Yes |
| Zero Adjustment: | Yes (for Light) |
| Auto Shut-off: | Yes (after 10 mins) |
| Low Battery Indicator: | Yes |
| Power Supply: | 9V Battery |
| Product Certifications: | CE |
| Operating Temperature: | 32 to 122°F (0 to 50°C) |
| Storage Temperature: | 14 to 140°F (-10 to 60°C) |
| Operating Humidity: | 10 to 85% |
| Dimensions: | 6.1 x 2.4 x 1.3" (156 x 60 x 33mm) |
| Weight: | 8.8 oz (160g) |

## Features

- Measures air velocity/temperature, ambient temperature, relative humidity, contact temperature and light
- Easy to operate, designed for one hand operation
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Light levels are measured in foot-candles or lux
- Temperature is measured in °C or °F
- Data Hold and Max/Min functions
- Zero adjustment button (light meter)
- Low battery indicator and auto shut off
- Includes wrist strap and battery

## Specifications

### Air Velocity

| | |
|---|---|
| Measuring Ranges: | 0.2 to 30.0 m/s |
| | 1.4 to 108.0 km/h |
| | 0.9 to 67.0 mph |
| | 80 to 5910 fpm |
| | 0.8 to 58.3 knots |
| Accuracy: | <20 m/s: ±3% FS |
| | ≥20 m/s: ±4% FS |
| Resolution: | 0.1 m/s, km/h, mph, knot |
| | 1 fpm |

| Model | Description |
|---|---|
| LM-8000 | Multi-Function Environmental Meter |
| R2920 | Surface Thermocouple Probe |
| R2930 | Right Angle Thermocouple Surface Probe |
| R2940 | Air/Gas Thermocouple Probe |
| R2950 | Immersion Thermocouple Probe |
| R2960 | Needle Tip Thermocouple Probe |
| CA-52A | Soft Carrying Case |
| LM-8000-NIST | Multi-Function Environmental Meter & NIST |