

Multi-Function Environmental Meter Model LM-8000





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:

Accuracy:

Resolution:

1.4 to 108.0 km/h 0.9 to 67.0 mph 80 to 5910 fpm 0.8 to 58.3 knots <20 m/s: ±3% FS ≥20 m/s: ±4% FS 0.1 m/s, km/h, mph, knot 1 fpm

0.2 to 30.0 m/s

Temperature Measuring Ranges:

Accuracy:

Resolution:

Humidity Measuring Range: Accuracy:

Resolution:

Light Measuring Range: Accuracy: Resolution:

General Specifications

Response Time:1Display:L0Data Hold:YeMin:YeMax:YeZero Adjustment:YeAuto Shut-off:YeLow Battery Indicator:YePower Supply:9'Product Certifications:ClOperating Temperature:3'Storage Temperature:1'Operating Humidity:1'Dimensions:6

1 sec LCD Yes Yes Yes Yes (for Light) Yes (after 10 mins) Yes 9V Battery CE 32 to 122°F (O to 50°C) 14 to 140°F (-10 to 60°C) 10 to 85% 6.1 x 2.4 x 1.3" (156 x 60 x 33mm) 8.8 oz (160g)

Weight:

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	

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TECHNICAL DATA

Air Temperature: 32 to 122.0°F (O to 50°C) Contact Temperature (Type K) : -148 to 2372°F (-100 to 1300°C) Air Temperature: $\pm 1.2°C$ (2.5°F) Contact Temperature: $\pm (1\% rdg + 2°F(1°C))$ O.1°F/°C

10 to 95% RH ≥70%RH: ±(4% rdg + 1.2%RH) <70%RH: ±4%RH 0.1% RH

0 to 20,000 Lux (0 to 1860 Ft-cd) ±(5% rdg ± 8 dgt) 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