



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 2,000 Ft-cd)

Accuracy:

±(5% rdg ± 8 dgt)

Resolution:

1 Lux / 0.1 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

Accuracy:

0.8 to 58.3 knots
<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
LS-103	Air/Gas Thermocouple Probe
LS-104	Right Angle Thermocouple Surface Probe
LS-107	Immersion Thermocouple Probe
LS-109	Surface Thermocouple Probe
LS-134A	Needle Tip Thermocouple Probe
LS-139	Spring Loaded Surface Thermocouple Probe
CA-52A	Soft Carrying Case
LM-8000-NIST	Multi-Function Environmental Meter & NIST