LM-200LED
Digital LED Light Meter, Silicon Photodiode and Filter

A professional, portable, easy-to-use digital light meter specifically designed to accurately measure light output of LED light sources.

The Amprobe LM-200LED light meter measures up to 200,000 lumens per square meter (lux) or 20,000 footcandles (fc) of light output from LED light sources, has a silicon diode sensor and filter and is designed for indoor operation. The dual-scale meter also features, a data hold feature that freezes readings on the display, a maximum recording option to display the highest reading, and angled light cosine correction to calculate the amount of light, regardless of the light's angle.

The meter is powered by a 9V battery (included) which has an average life of 200 hours. The sensor has a 1.5-meter wire for positioning the light sensor, and a protective sensor cap.

LM-200LED Features

- **Dual-scale meter measures light output** from LED light sources up to 200,000 lumens per square meter (lux) or 20,000 footcandles (fc)
- **Silicon diode sensor and filter** are designed for indoor use
- **Data hold** freezes readings on the display, MAX recording displays the highest light measurement, and angled light cosine correction corrects for angled light
- **Measuring light source** includes all visible ranges
- **Spectral response** close to CIE luminous spectral efficiency
- **Powered by a 9V battery** (included), and includes a 5 foot (1.5 m) wire for positioning light sensor, and a protective sensor cap

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Safety Certification

All Amprobe tools, including the Amprobe LM-200LED, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

Large 2000 count LCD

Silicon diode sensor and filter are designed for indoor use.

The sensor has a 1.5-meter wire for positioning the light sensor and a protective sensor cap.

Specifications	LM-200LED
Sensor	Silicon photodiode and filter
Range	200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot-candles
Display	2000 count LCD
Zero	•
Low Battery Indication	The "⊟+" is displayed when the battery voltage drops below the operating level
Temperature / Humidity	**Operating** 14 °F to 122 °F (-10 °C to 50 °C), 0 to 80%RH **Storage** 14 °F to 122 °F (-10 °C to 50 °C), 0 to 70%RH
Altitude/Environment	Up to 2000m, Indoor operation
Accuracy	+/-3% (Calibrated to standard incandescent lamp 2856° K) and corrected LED day while-light spectrum. +/-8% other visible light sources
Operating	14 °F to 104 °F (-10 °C to 40 °C), 0 to 80 % RH
Storage	14 °F to 122 °F (-10 °C to 50 °C), 0 to 70 % RH
Power Supply	9V NEDA 1604, IEC 6F22, JIS 006P battery
Battery Life	200 hours
Auto Power Off	Approximately 6 min
Dimension (Base)	5.1 x 2.5 x 1.5 in (130 x 63 x 38 mm)
Dimension (Sensor)	3.2 x 2.2 x 1.1 in (80 x 55 x 29 mm)
Weight	0.48 lb (220 g) (including battery)
Agency Approvals & Certifications	CE - EMC EN61326-1

Included: LM-200LED Light Meter, 9V battery (installed), carrying case, user manual.

Light Meter Series

	LM-100	LM-120	LM-200LED
Ranging	Manual	Automatic/Manual	Manual
Illumination sensor	Silicon photodiode and filter	Silicon photodiode and filter	Silicon photodiode and filter
Calibration point	2854 °K Cosine Angular corrected per JIS C 1609:1993 and CNS 5119 general A class	2854 °K Cosine Angular corrected per JIS C 1609:1993 and CNS 5119 general A class	2856 °K Cosine Angular corrected per JIS C 1609:1993 and CNS 5119 general A class
Data	Data hold, Max hold	Data hold, Min/Max hold	Data hold, Max hold
Zero function	–	•	•

For complete specifications click to **amprobe.com** for product manuals.