



LM-100 Light Meter

Accessories – Test Equipment

Part No. LM-100

www.illuminoignis.co.uk

Product Details

The Amprobe LM-100 light meter measure the visible light from fluorescent, metal halide, high-pressure sodium or incandescent sources. They are portable, easy-to-use digital light meters designed for simple one-hand operation reading in Lumen (lux) or foot-candle (fc) units. The LM-100 measure a wide range of light up to 20,000 fc or 200,000 lux with an accurate, high resolution of 0.01 fc / 0.1 Lux.

Use the LM-100 light meter to measure the illumination level in the interior and to switch off or reduce or increase the output level of lighting fixtures. Reduce the energy burden of the building by significantly increasing the efficiency of its lighting system.

One lux is the illumination from a one candela lamp perpendicular to a surface one meter squared at a distance of one meter. One fc is the illumination from a one candela lamp perpendicular to a surface one foot squared at a distance of one foot. 1 foot-candle = 10.764 Lux and 1 lux = 0.09290 foot-candles.



Key Features

- Measure in Lux or Foot-candles, front panel switchable
- Measuring Range to 200,000 Lux or 20,000 Foot-candles
- Silicon photodiode sensor and filter
- Data Hold to freeze reading on the digital display
- MAX ability to show high readings
- Manual Range
- Protective sensor cap
- Large, 3-1/2 inch digit display

Technical Specifications

Sensor	Silicon photodiode and filter
Range	200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot-candles
Display	3 1/2 digit liquid crystal display (LCD) with a maximum reading of 1999
Sampling Rate	2.5 times per second for digital display
Polarity	Automatic, positive implied, negative polarity indication
Overrange	(OL) or (-OL) is displayed
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	2000m, indoor operation
Accuracy	± 3 % (Calibrated to standard incandescent lamp at 2854 °K) 6% other visible light sources


Illumino Ignis LtdTM

LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

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Technical Specifications – Continued

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	–
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.

Ranging	Manual
Illumination sensor	Silicon photodiode and filter
Calibration point	2854 °K Cosine Angular corrected per JIS C 1609:1993 and CNS 5119 general A class
Data	Data hold, Max hold
Zero function	–