



## LM-120 Light Meter with Auto Ranging

The Amprobe LM-120 light meter measures the visible light from fluorescent, metal halide, high-pressure sodium or incandescent sources. It is a portable, easy-to-use digital light meter designed for simple one-hand operation reading in Lumen (lux) or footcandle (fc) units. The LM-120 measures a wide range of light up to 20,000 fc or 200,000 lux with an accurate, high resolution of 0.01 fc/lux. This unit is Autoranging plus manual ranging with ability to Zero out the reading before taking a measurement.

Use the LM-120 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 footcandles

### No hassle warranty

*No waiting.*

*No shipping  
charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

- Measure in Lux or Footcandles, 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
- MIN / MAX ability to show high and low readings
- Autoranging plus Manual Range
- Zero function to null display before a reading
- Auto Power Off to save battery life
- Includes protective sensor cap
- Large, 3-1/2 digit display

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## Data Sheet

### Specifications

<b>Illumination</b>	Accuracy at 23°C ± 5°C (73.4°F ± 5°F), < 75% R.H.	
<b>Sensor</b>	Silicon photodiode and filter	
<b>Measurement rate</b>	2.5 times per second	
<b>Range</b>	20, 200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot candles	
<b>Accuracy</b>	± 3% (Calibrated to standard incandescent lamp at 2854°K) 6% other visible light sources	
	<b>Angle deviation from cosine</b>	<b>Characteristics</b>
	30°	± 2%
	60°	± 6%
	80°	± 25%
	Cosine Angular corrected per JIS C 1609:1993 and CNS 5119 general A class	
<b>Resolution</b>	0.01 fc/lux	

### General Specifications

<b>Display</b>	3¾ digit liquid crystal display (LCD) with a maximum reading of 1999
<b>Sampling Rate</b>	2.5 times per second for digital display
<b>Polarity</b>	Automatic, positive implied, negative polarity indication
<b>Overrange</b>	(OL) or (-OL) is displayed
<b>Zero</b>	Automatic
<b>Low battery indication</b>	The "⚡" is displayed when the battery voltage drops below the operating level
<b>Temperature / Humidity</b>	Operating -10°C to 50°C (14°F to 122°F), 0 to 80%RH Storage -10°C to 50°C (14°F to 122°F), 0 to 70%RH
<b>Altitude</b>	2000m, indoor operation
<b>Power Supply</b>	9V NEDA 1604, IEC 6F22, JIS 006P battery
<b>Battery life</b>	200 hours
<b>Auto Power Off</b>	approx 6 min
<b>Dimension (Base)</b>	130 x 63 x 38 mm (5.1 x 2.5 x 1.5")
<b>Dimension (Sensor)</b>	80 x 55 x 29 mm (3.2 x 2.2 x 1.1")
<b>Weight</b>	220 g (.48 lb.) include battery

### Agency Approvals & Certifications



EN61326-1 This product complies with requirements of the following European Community Directives: 89/336/EEC (Electromagnetic Compatibility) and 73/23/EEC (Low Voltage) as amended by 93/68/EEC (CE Marking). However, electrical noise or intense electromagnetic fields in the vicinity of the equipment may disturb the measurement circuit. Measuring instruments will also respond to unwanted signals that may be present within the measurement circuit. Users should exercise care and take appropriate precautions to avoid misleading results when making measurements in the presence of electronic interference.

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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