

FEATURES

- Measuring range: 200, 2000, 20 000, 200 000 lux; 20, 200, 2000, 20 000 foot-candles
- Accuracy $\pm 3\%$ (calibrated to standard incandescent lamp 2856 °K) and corrected LED day white-light spectrum ($\pm 8\%$ other visible light source)
- 3 digits LCD with maximum reading 1999
- Max Hold
- Manual zero adjustment
- Manual ranging
- Meter size 130 x 55 x 38 mm
- Sensor size 80 x 55 x 25 mm
- Wire for light sensor approximately 1.5 m
- Weight (including battery) 250 g

RS PRO Light Meter- ILM201L Light Meter

RS Stock No.: 124-0938



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO LUX/FC Light Meter ILM-201L

RS PRO LUX/FC light meter ILM-201L is a great value instrument offering spectral response close to CIE luminous spectral efficiency, measurements in lux or foot-candles and Silicon photodiode and filter.

General Specifications

Model Number	ILM201L
Sensor Type	Photodiode
Display Type	31/2 digits LCD
Features	Data Hold Function
	Auto Ranging Plus Manual Ranging
	Auto Zero Adjustment
Applications	Lighting of streets areas/ Lighting in museums/ Monitors
Calibration Availability	Yes

Light Measurement

Measuring Range	200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot-candles
Accuracy	±3% (Calibrated to standard incandescent lamp 2856° K) ±8% (other visible light source)
Resolution	0.001 cd/m ² / 0.001 FI / 0.1 FtC
Sampling Rate	2.5 times per second
Angle deviation from cosine characteristics	30° ±2% 60° ±6% 80° ±25%
Spectral Response	CIE

Electrical Specifications

Power Source	Battery
Battery Included	Yes
Battery Type	9V NEDA 1604, IEC 6F22, JIS 006 P battery x 1pc

Mechanical Specifications

Dimensions	55 x 38 x 130mm
Width	38mm
Depth	55mm
Height	130mm
Weight	250g

Casing Material	Plastic
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Approvals

Declarations	RoHS Certificate of Compliance
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Accessories Includes

Item Name	Qty
Manual	1
9V battery and carrying case	1

Similar Products

Stock No.	RS#1238776	RS# 1065311	RS# 1065312	RS# 1464653
Model Number		IM720	IM203	
Sensor Type		Photodiode	Photodiode	
Display Type	LDC	LCD	LCD	Dual display 4 digit LCD read out.
Display digit height	13mm			
Features		Measures intensities of illumination displays in lux or foot-candles	Measuring the visible light from fluorescent, metal halide, high-pressure sodium or incandescent sources	Comparator function
Measuring Range		400, 4000, 40000, 400000 Lux 40, 400, 4000,40000 Foot-candles (1 Fc = 10.76 Lux).	20, 200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot-candles	9.999, 99.99, 999.9, 9.999k, 99.99k, 999.9k, 1999k cd/m2 9.999, 99.99, 999.9, 9.999k, 99.99k, 580.0k fL Auto ranging (7 step) (1 fL = 3.426 cd/m2)
Accuracy		±3% ±3Lux (Calibrated to standard incandescent lamp 2856°K). ±3% (Calibrated to standard incandescent lamp 2856°K).	±3% (Calibrated to standard incandescent lamp 2856°K) ±6% (other visible light source)	±3%rdg±5dgt on all ranges except 9.999 and 99.99 ranges is ±10%rdg±10dgt. (Calibrated to standard incandescent

		8% other visible light source		lamp, 2856° K, at 25°C/77°F)
Resolution		3 lx		0.001 cd/m², 0.001 fL
Measurement Rate		2.5 times per second	2.5 times per second.	Approximately 5 time/sec
Spectral Response		CIE	CIE	CIE
Temperature Characteristics	0 to 50°C			±0.1%/ °C
Interface	USB, RS 232		USB	USB
Dimensions	180*72*32 mm	133 x 48 x 23mm	172x 56x 38 mm	150 x 72 x 35mm

Specifications:

- **Display:** 3 1/2 digits LCD display with maximum reading of 1999.
- **Sensor:** Silicon photodiode with filter and cosine correction
- **Measuring range:** 200, 2000, 20000, 200000 Lux
20, 200, 2000, 20000 Foot-candles
- **Accuracy:** ±3% (Calibrated to standard incandescent lamp 2856° K)
±8% (other visible light source)
- **Angle deviation from cosine characteristics:** 30° ±2%
60° ±6%
80° ±25%
- **Power Supply:** 9V NEDA 1604, IEC 6F22, JIS 006 P battery x 1pc
- **Meter size:** 38 x 55 x 130mm
- **Sensor size** 25 x 44 x 80mm; Cable length: 1.5m
- **Weight (including battery):** 250g
- **Accessories:** Manual, 9V battery and carrying case.