

# Light Meter



## Features:

- Light Sensor uses exclusive photo diode & colour correction filter, spectrum meets C.I.E. photopic.
- Sensor cosine correction factor meets standard
- Wide range measurement both for Lux & Foot Candle units
- Four lighting type selection (Tungsten, Fluorescent, Sodium or Mercury)
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features
- Large LCD display, easy readout
- Zero adjustment by push button
- Heavy duty & compact housing case
- Separate Light Sensor allows user to measure the light at an optimum position
- Records Maximum, Minimum and Average readings with recall
- Data hold
- Auto shut off saves battery life
- Operates from 006P DC 9V battery

## General Specifications:

Circuit	Custom one-chip of micro-processor LSI circuit
Display	13mm (0.5") large LCD
Measurement & ranges	Lux : 0 - 100,000 Lux, 3 ranges
	Foot-candle(Fc) : 0 -10,000 Fc, 3 ranges
Lighting Type Selection	Tungsten, Fluorescent, Sodium, Mercury lamp
Sensor	The exclusive photo diode & colour correction filter, spectrum designed to meet C.I.E.
Memory Recall	Records Maximum, Minimum and Average readings with recall
Zero Adj.	By push button
Sampling Time	Approx. 0.4sec
Power off	Auto shut off saves battery life, or manual off by push button
Over input indication	Indication of " - - - - "
Operating Temp.	0°C to 50°C (32°C to 122°C)
Operating Humidity	Less than 80% RH
Power Supply	006P DC 9V battery (Heavy Duty Type)
Power Current	Approx. DC 5.3 mA
Weight	335g/0.77lb.
Dimension	Main instrument : 185mm × 78mm × 38mm (7.3" × 3.1" × 1.5")
	Sensor probe : 85mm × 55mm × 12mm (3.2" × 2.2" × 0.5")
Optional Carrying case	Soft Carrying Case
	Hard Carrying Case



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## Electrical Specifications (23 ±5°C)

Measurement	Range	In-range Display	Resolution	Accuracy
Lux	2,000 Lux	0 - 1,999 Lux	1 Lux	±(5% + 2d)
	20,000 Lux	1,800 - 19,990 Lux	10 Lux	±(5% + 2d)
	100,000 Lux	18,000 - 10,000 Lux	100 Lux	≤50,000 Lux : ( 5 % + 2 d ) > 50,000 Lux : for reference only, no specify the accuracy
Foot-candle (Fc)	200 Fc	0 - 186 Fc	0.1 Fc	± (5% + 2d)
	2,000 Fc	167 - 1,860 Fc	1 Fc	± (5% + 2d)
	10,000 Fc	1,670 - 10,000 Fc	10 Fc	≤4,650 Fc : ± (5% + 2d) > 4,650 Fc : for reference only, no specify the accuracy

## Carrying Case Optional

Soft carrying case,	Dimensions : 210mm × 100mm × 70mm, Weight : 81 g
Hard carrying case,	Dimensions : 275mm × 195mm × 64mm, Weight : 465 g

## Part Number Table

Description	Part Number
Light Meter	72-6693

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