



Nothing else measures up!

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Mini Light Meter



Code: 343670

Operating Instructions

Mini Light Meter

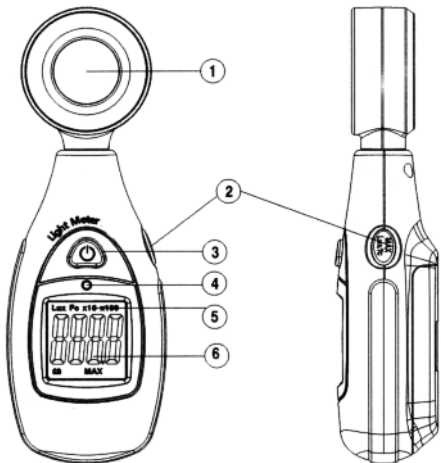
1. FEATURES

- Easy to use, pocket size and lightweight.
- 3½ digital LCD display with LUX, fc, \square , MAX indication
- Accurately display light level in terms of Footcandles (fc) or Lux over a wide range.
- Measures from 0 to 40,000 Lux/fc in four ranges with resolution 0.1Lux/fc.
- Auto ranging.
- Max hold.
- Light sensitive backlight LCD.
- Auto power off.

2. SPECIFICATIONS

Display:	1999 counts LCD display with LUX, fc, \square , MAX indication
Polarity:	Automatic, (-) negative polarity indication
Over-range:	"OV" mark indication
Low battery indication:	The \square icon is displayed when the battery voltage drops below the operating level
Measurement rate:	2.5 times per second, nominal
Storage temperature:	-10°C to 60°C (14°F to 140 °F) at <80% relative humidity
Operating temperature:	0°C to 40°C (32°F to 104°F) at 0% to 80%RH
Auto power off:	Meter automatically shuts down after approx. 17 minutes of inactivity
Power:	1x standard 9V battery
Dimensions/Weight:	157 (H) x 54 (W) x 34 (D)mm / 170g
Light	
Measuring range:	200, 2000, 20000, 40000 Lux/fc (1fc = 10.76Lux)
Accuracy:	±5% rdg ±10 dgts (< 10,000Lux/fc) ±10 rdg ±10 dgts (> 10,000Lux/fc) (20,000Lux range reading x10, 40,000lux range reading x100)
Overrate Display:	"OL" is displayed Calibrated to standard incandescent lamp at colour temperature 2856 k
Repeatability:	±2%
Temperature characteristic:	±0.1%/°C
Photo detector:	One silicon photo diode with filter

3. PANEL DESCRIPTION

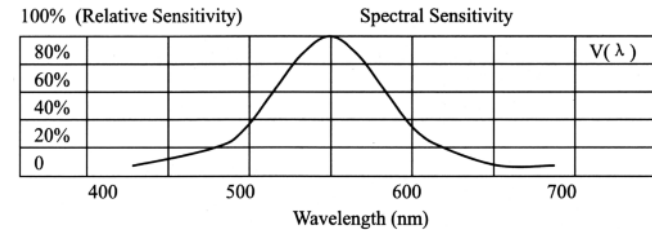


- 1. Photo detector:** long life silicon photo diode inside
- 2. MAX and LUX/fc function button:** Press button quickly, the max reading will be displayed. Pressing it once again will release the hold and allow another measurement. Press and hold for two seconds to change the display between Lux and fc.
- 3. Power:** Turn power ON and OFF.
- 4. LCD backlight control:** Meter is sensitive to environment light intensity. If the environment is dark, it will turn on the LCD backlight automatically, otherwise it will turn off the LCD backlight.
- 5. Auto ranging:** x10 means the meter is in range 20k Lux, and the readings should be multiplied by 10; x100 means the meter is in range 40k Lux, and the readings should be multiplied by 100.
- 6. LCD display:** 1999 counts LCD display with LUX, fc, \square , MAX indication.

4. OPERATING INSTRUCTIONS

Measuring Light

1. Press the power button to start normal measurement.
2. Remove the photo detector to light source in a horizontal position.
3. Read the luminance on the LCD display. If the environment is dark, the LCD backlight will automatically turn on.
4. The measuring range will change automatically with the light intensity. It includes 200.0 Lux, 2000 Lux, 20k Lux, and 40k Lux 4 ranges for Lux; or 20.0 fc, 200.0 fc, 2000 fc, and 4000 fc 4 ranges for fc correspondingly.
5. Press and hold the function button for about 2 seconds to change the unit between Lux and fc.
6. Press the function button quickly to change to the MAX HOLD function. Press once again to release the hold and allow another measurement.
7. Over-range: If the instrument displays "OL" in the M.S.D. the input signal is too strong.
8. When the measurement is finished, replace the photo detector from the light source.
9. Special characteristics of sensitivity: The photo diode with filters applied to the spectral sensitivity meets CIE (International Commission on Illumination) photopia curve V(λ) as the following chart describes.



10. Recommended Illumination

Locations	Lux
* Office	
Conference, Reception Room	200 ~ 750
Clerical Work	700 ~ 1,500
Typing Drafting	1,000 ~ 2,000
* Factory	
Packing Work, Entrance Passage	150 ~ 300
Visual Work at Production Line	300 ~ 750
Inspection Work	750 ~ 1,500
Electronic Parts Assembly Line	1,500 ~ 3,000
* Hotel	
Public Room, Cloakroom	100 ~ 200
Reception, Cashier	200 ~ 1,000
* Store	
Indoors Stairs Corridor	150 ~ 200
Show Window, Packing Table	750 ~ 1,500
Forefront of Show Window	1,500 ~ 3,000
* Hospital	
Sickroom, Warehouse	100 ~ 200
Medical Examination Room	300 ~ 750
Operating Room, Emergency Treatment	750 ~ 1,500
* School	
Auditorium, Indoor Gymnasium	100 ~ 300
Classroom	200 ~ 750
Laboratory, Library, Drafting Room	500 ~ 1,500

5. BATTERY REPLACEMENT

If the battery icon \square appears on the LCD display, it indicates that the battery should be replaced. Open the battery case and replace the expired battery with a new battery (1x 9V battery).