

Safety Information

Read the following safety information carefully before attempting to operate or service the meter.

Use the meter only as specified in this manual ; otherwise, the protection provided by the meter may be impaired.

Environment Conditions:

- Altitude up to 2000 meters
- Relatively humidity 90% max.
- Operation Ambient 0 ~ 40°C

Explanation of Symbols:



Comply with EMC.

When servicing, use only specified replacement parts.

Introduction

Thank you for using our LED Light Meter. To ensure that you can get the most from it, we recommend that you read and follow the manual carefully before use. The Light Meter has been designed, manufactured, and delivered under strict quality control criteria by a factory certified. This meter has the following characteristic.

- Easy to use
- Automatic zero
- Automatic ranging
- MAX/MIN function build in
- Large backlight LCD display

Precautions on handling

Operating carefully, and do not drop the meter or hit it with a hard object. Avoid using the meter in a dirty, dusty, or salt-air area or where there are corrosive gases. If dirt or dust adhered to the surface of the detecting light, will decrease accuracy of the measuring value to clean the surface by wiping with a soft and dry cloth.

Maintenance

Attention!

Repairs or servicing not covered in this manual should only be performed by qualified personal.

Cleaning

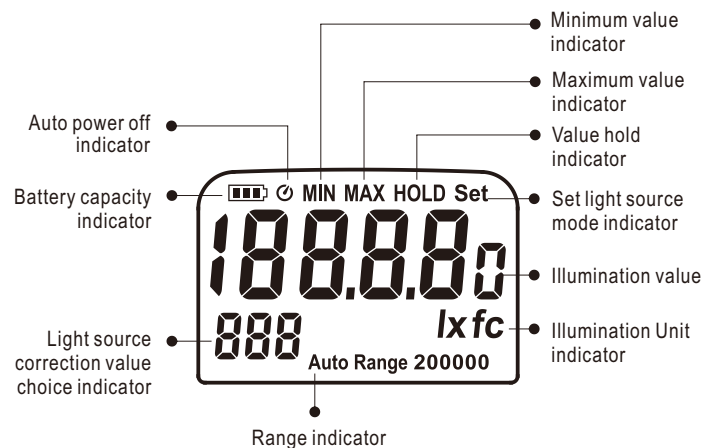
Periodically wipe the case with a dry cloth. Do not use abrasives or solvents on this instrument.

Note

If it is not used for a long time, please store the meter in chamber under 60%RH.

Symbol Definition & Button Location

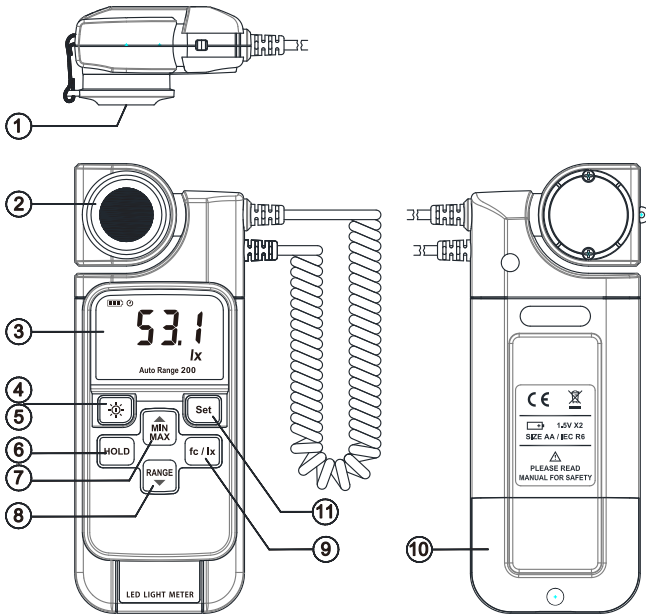
1. LCD Display:



Specifications

Measuring range:	0.0 to 199.9/1999/19990/199900 lx 0.00 to 19.99/199.9/1999/19990 fc Automatic or manual selection of range	
Resolution:	0.1 lx, 0.01 fc	
Accuracy:	±3% rdg ±5 dgts (Standard A light source) 8% other visible light source	
Angle deviation from cosine characteristics	10° ± 1% 60° ± 5%	30° ± 2% 80° ± 20%
Temperature characteristics:	±0.1% / °C(25°C)	
Response time:	0.5 sec	
Light detector:	SI Photodiode	
Over range:	"-OL-" display	
Power supply:	1.5V type AA battery x2	
Power life:	Approx. 80 hours	
Operation temperature:	0°C ~ 40°C(32°F ~ 104°F)	
Operation humidity:	0~80% RH	
Storage Temperature:	-10 to 50°C (14 to 122°F)	
Storage Humidity:	0 to 60% RH	
Dimension / Weight:	169(L)×63(W)×37(H)mm (6.7"×2.5"×1.5")	
Weight:	Approx. 210g	
Accessories:	Battery, instruction manual, carrying case.	

2. Name of Parts & Position:



* Operation:

Press the power button to turn on the power. Notice that covering the light-detecting surface with the cap. "CAP-" will auto-appear on the LCD display. After "CAL-" appears, the meter enters the automatic zero adjustment. When automatic zero adjustment is completed, "CAL-" disappears and "0.0" appears. After confirming the "0.0" display, remove the cap to start measuring.

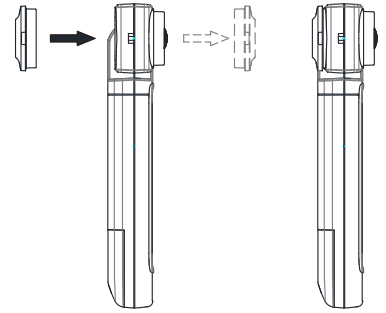
After the measurement has been completed, press the power button again to turn off the power, and cover the light-detecting surface with the cap for protecting against stray light.

Note:

If "ERR1" appears, check the cap to make sure it is on properly.

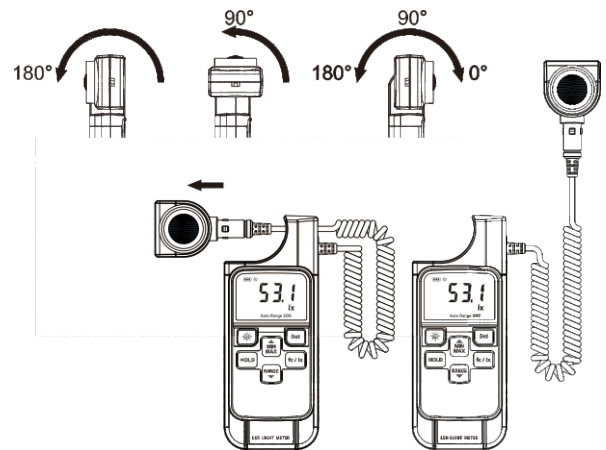
① Lens Protecting Cover :

This is used to protect the photo lance from scratching and create complete dark environment for the meter to perform dark current calibration. During power on process, this cover should be set properly in front of the sensor lens, otherwise an error message will be shown on the LCD.



② Light Sensing Probe:

- This probe can be fixed on the meter parallel or perpendicular to the LCD surface. Or it may be detached from the unit to fit the measuring requirement.



③ LCD display:

6 1/2" large size back light LCD display.

④ Power button:

Push this button to turn on the meter. Push and hold this button for 3 seconds to turn it off. The unit will automatically turn itself off after 30 minutes if no key operation. To disable the automatic power off function, turn the meter off, push and keep holding "HOLD" button, then push power button to turn on. The "⏻" will disappear from the LCD to confirm this operation.

⑤ Backlight (Power) button:

Push this button to turn on and off the LCD backlight. The backlight will be automatically off after 30 seconds to save battery power.

⑥ HOLD button:

The user may hold the present reading and keep it on the LCD display by pressing the HOLD button. To release the data held operation, user may press the button again.

⑦ Max Min button:

Push this button to set the meter working under MAX/MIN mode. By pushing this button, the user may swap the LCD reading among maximum, minimum and current reading. Push and hold this key for 3 seconds to exit MAX/MIN mode.

⑧ Range selector button:

The user may use this button to select the preferred measuring or automatically selected by the meter. The available ranges are:

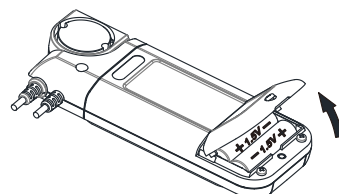
AUTO, 200, 2000, 20000, 200000 lx / AUTO, 20, 200, 2000, 20000 fc

⑨ Fc/lx selector button:

To switch the measuring unit between Foot Candle and Lux.

⑩ Battery cabinet cover:

When battery capacity segment is less than one, the user should replace the battery. The battery cabinet cover can be opened with a Philips screw driver and two AA type batteries should be installed.



⑪ Set button:

Press Set button, and use ▲ and ▼ to select a preset correction setting from L0 to L8. According to the lighting source, the user should set the appropriate preset correction for the accurate measuring result. The user can set his correction factor if a high precision light meter with "V(λ)" < 3% is available. The available setting are list below:

L0: Standard incandescent light source

L1: LED white daylight (5000K)

L2: LED AMBER (YELLOW) light (3000K)

L3: LED GREEN light

L4: LED RED light

L5: LED BLUE light

L6: Warm White Fluorescent Lamp (4000K)

L7: Cold White Fluorescent Lamp (6500K)

L8: user setup mode

Note: 1fc = 10.76lx

Characteristics of Sensor spectrum response

