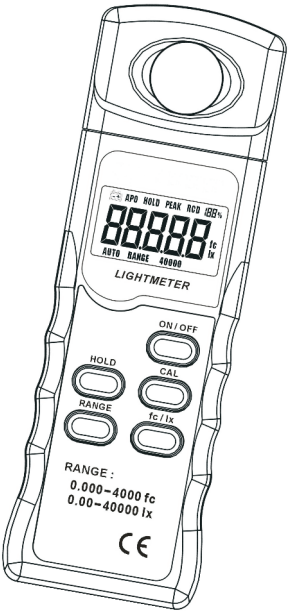
LIGHT METER



INSTRUCTION MANUAL

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1. 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
  a. Altitude up to 2000 meters.
  b. Relative humidity 80% max.
  c. Operation Ambient 0 to 40°C.
- Maintenance & Clearing
  a. Repairs or servicing not covered in this manual should only be performed by qualified personnel.
  b. Periodically wipe the case with a dry cloth. Do not use abrasives or solvents on this instrument.
- Safety symbols
  a. Comply with EMC.
  b. When servicing, use only specified replacement parts.

2. General Description

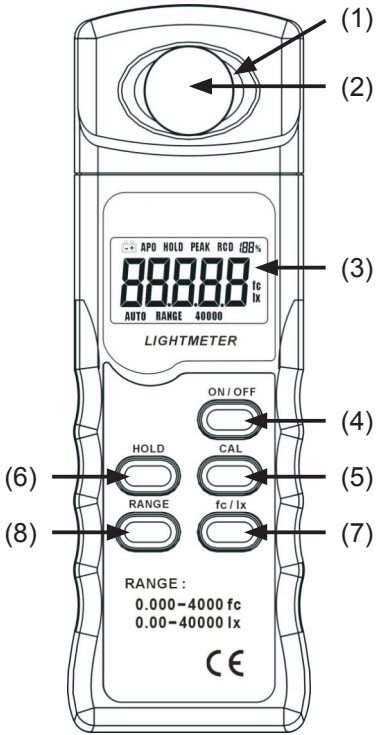
Thank you for using our Light Meter. To ensure that you can get the most from it, we recommend that you read and follow the manual carefully before use. The Light Meter has been designed, manufactured, and delivered under strict quality control criteria by a factory certified.

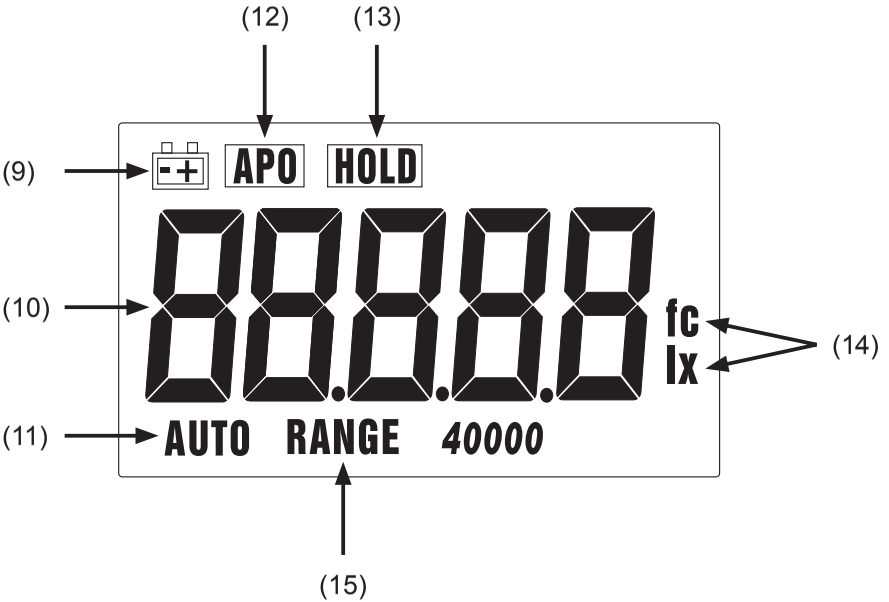
- Easy to use
- Automatic zero
- Automatic range

3. Specifications

- **Measuring ranges :**
  0.00 to 39.99/399.9/3999/39990 lx
  0.000 to 3.999/39.99/399.9/3999 fc
  automatic/manual selection of range
- **Resolution :**
  0.01 lx ~ 10 lx ; 0.001 fc ~ 1 fc
- **Accuracy :** ±3% rdg ±5 dgts
- **Temperature characteristics :** ±0.1% / °C
- **Response time :** 0.5 secretry.
- **Light detector :** Si Photodiode
- **Operation temp. / Humidity :**
  0°C ~ 40°C (32°F ~ 104°F) , 0 ~ 80% RH
- **Storage temp. /humidity :**
  -10°C ~ 50°C (14°F ~ 122°F) , 0~90% RH
- **Over range :** "----" display
- **Power supply :**
  One 9V battery , 006P or IEC 6F22 or NEDA 1604
- **Power life :**
  Approx. 170 hours(Alkaline battery)
- **Dimensions :**
  194(L) x 62(W) x 38(D) mm
- **Weight :** Approx. 255g
- **Accessories :**
  9V battery , instruction manual, carry case.

4. Name and Functions




(12)
(13)
(9)
APO
HOLD
(10)
8.8.8.8.8
fc
lx
(14)
(11)
AUTO RANGE 40000
(15)

(1) Light detecting surface

(2) Protection cover

(3) LCD display

(4) Power button

(5) CAL button :
Calibration the meter when the protection cover is off , otherwise the error message will be show on the LCD display.

(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 held data operation by pressing it and holding more than 1 second. The user can press the button when the value is hard to read, such as measuring in the dark place.

(7) fc/lx selector button :
The user can switch fc or lx unit by pressing this button.

(8) Range selector button :
This button is used to select automatic range and manual range. Manual range enables an arbitrarily four range to be set . To release the manual range and backward automatic range by pressing it and holding more than 1 second.
If a fixed range is used, measuring values will response quickly. The user can read easily. The range configuration is as follows :
Auto , 40 , 400 , 4000 , 40000 lx
Auto , 4 , 40 , 400 , 4000 fc

(9) Indicate low battery voltage

(10) Measuring readout

(11) Indicate automatic range mode

(12) Indicate meter in automatic power off mode
This Light Meter provides an automatic power-off function in order to avoid using up the battery if you forget to turn off the power. The meter will power off itself after 5 minutes if no key is operated.

(13) Indicate data hold

(14) Unit of illuminance

(15) Indicate range

Note : 1fc=10.76lx

5. Operation

Press the power button to turn on the power and enter measuring mode directly. By pressing the CAL Button to make the zero adjustment . 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, **-CAP-** disappears and "0.00" appears. After confirming the "0.00" display, remove the cap to start measuring again.
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 **Error** appears, check the cap to make sure it is on properly.

Press and hold the HOLD button, and then power on the meter, release all button to disable the AUTO POWER OFF function.
"APO" symbol will disappear on the LCD display.

6. Replacement of Battery

When the battery voltage drops below the operating voltage, a " " symbol will appear on the LCD display. In this case, replace a new battery immediately.

7. 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 detecting light, will decrease accuracy of the measuring value. To clean the surface by wiping with a soft and dry cloth.

8. Cleaning and Storage

WARNING

To avoid electrical shock or damage to the meter, do not get water inside the case.

Periodically wipe the case with a damp cloth and Detergent. Do not use abrasives or solvents.
If the meter is not used for over 60 days, remove the battery for storage.

Due to our policy of constant improvement and development, we reserve the right to change specifications without notice.