P/N:

Mini Lux Meter User's Manual

1 . Safety ⚠

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 :
  RH < 90RH % (Non-condensation)
  Operating temperature : -20℃-- 60℃,-4℉--140℉
  Storage Temperature: -20℃ -- 60℃,-4℉--140℉

Maintenance

① Repairs or servicing not covered in this manual should only be performed by qualified personnel.

② Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.

Safety symbol:

CE Comply with EMC

2. General Description

This Light Meter is designed to meet the measurement requirements of safety Engineers,
Health, Industrial safety offices and light quality control in various environments like
factory, school, construction, etc.

3 , Features

- High accuracy, fast response
- Color LCD display with backlight
- Temperature measurement
- Automatically revise parameters for nonstandard illumination
- Selectable measurement units LUX/FC
- MAX/MIN record
- Backlight LCD display, facilitating the operation in the dark places
- Automatic measurement
- Low battery indication

4. Basic Operation

① Open battery cover and install 3 *1.5V AAA batteries in the battery compartment.

② Power on: press" ⏻ 'to power on, the meter conducts self-inspection, after LCD displays, it measures temperature and humidity automatically.

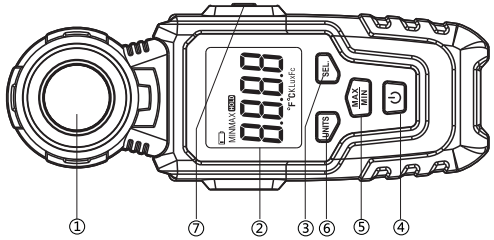
③ After testing, press" ⏻ "to turn off the meter.
Note: Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

5. Specification

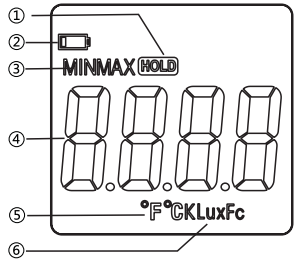
Display	4 digits color LCD display
Measuring range	0 Lux ～200K Lux, 0Fc～20KFc
Resolution	<1000:0.1 ;>1000:1
Spectral response	CIE photopic (CIE human eye response curve)
Over range indication	LCD displays"-0L-"or"-L0-"
Spectral accuracy	CIE Vλ function(fl'≤6%, f2'≤2%)
Accuracy	±3%rdg±8df<10000Lux),±4%rdg±10d(>10000Lux)
Sampling rate	500ms
Photo detector	Silicon photo-diode with spectral response filter
Battery life	at least 60 hours
Enable/disable auto power off	The meter shuts off automatically after 15 minutes inactivity under auto power off mode. disable auto power off is available
Operating conditions	-20°C～ 60°C /-4 ～ 140°F ,10 RH%～90 RH%
Storage conditions	-20°C～60°C /-4～140°F,10 RH%～ 75 RH%
Power supply	3*1.5V "AAA" batteries
Dimension(L*W*H)	154*59*30mm
Weight	116g

6. Meter Description

① Photo detector
② LCD display
③ SEL button
④ Power ON/OFF button
⑤ MAX/MIN button
⑥ Fc /Lux button
⑦ Hold button



7. LCD Display Description



① Hold icon
② Low battery indication
③ MAX/MIN icon
④ Light readings
⑤ Temperature unit Icon
⑥ Luminance units Icon

8. Operation instruction

8.1 Backlit & Power ON/OFF Function

8.2 ⏻ power on/off, press ⏻ to turn on/off the meter Backlit will be on once meter is power on.

8.3 HOLD/BL Data hold; In the measuring mode, press HOLD/BL "HOLD" Icon will appear on the LCD, which indicates the data is freezed. To release the held reading, press HOLD/BL again.

8.4 MAX/MIN MAX/MIN; In the measuring mode, press MAX/MIN "MAX" will appear on the LCD. the captured maximum readings will be displayed on the LCD, press MAX/MIN again, "MIN" will appear on the LCD and the captured minimum readings will be displayed on the LCD. Long press" MAX/MIN , the meter exit MAX/MIN measurement mode and back to normal measuring mode

8.5 SEL key: with the meter on, press, SEL to select light units of FC/LUX

8.6 Use of compound key

8.6.1 With the meter off, press HOLD/BL first and hold, then press, ⏻ "to power on the meter, it can change temperature unit(℃/ ℉) , ℃ is preset.

8.6.2 With the meter off, press . UNITS first and hold, then press" ,to power on the meter, icon on the LCD display disappear, which indicates the power off functions is disabled. You need to turn off the meter through pressing by manual.
Note: When" ⏲ " icon displayed on the screen, it indicates that the meter will automatically turn off after approx. 15 minutes of inactivity.

9. Notes

① This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device.
[Note] All products are well calibrated before delivery. Recommended recalibration cycle: I year.

② Repairs or servicing not covered in this manual should only be performed by qualified personnel.

③ Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.

④ Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

⑤ when the battery is low, LCD display 🔋 a new battery is needed.

⑥ Do not store or operate the meter in high temperature or humidity.

10. Accessories

- User's manual
- 3*1.5V AAA Battery