EMC&LVD

Digital Light Meter

User Manual



EN-00351-01

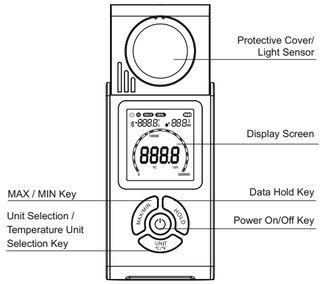
Please read this manual carefully before using the meter and keep it properly for future reference.

120 mm

80 mm

Introduction

The lux meter is a professional instrument for measuring illuminance. It is designed for light intensity measurement and detection in various environments. It is widely used in lighting tests for households, offices, education, industry, agriculture, and other applications. It can also measure ambient temperature and humidity.



Display

Display symbols	Explanation	Display symbols	Explanation
⏻	Auto on/off indicator	H	Data hold
MAX	Maximum value	MIN	Minimum value
°C	Celsius	RH%	Humidity unit
°F	Fahrenheit		Battery Level
FC	Foot-candle	LUX	Lux



Operation

A. Precautions

- Always cover the meter with the protective cap when not in use.
- Do not store or operate the meter in high-temperature and high-humidity environments.
- Avoid storing the meter together with solvents, acids, and other corrosive substances.
- Remove the batteries before long-term storage.

B.Taking Measurements

1. Remove the protective cover from the light sensor and press “ ⏻ ” key to turn it on.
2. After power-on, the meter will start displaying readings and enter the measurement mode.
3. Hold the meter and press the “ UNIT °C/°F ” key to select the desired unit.
4. Press the “HOLD” key to lock the measured reading.
5. Read the measured value from the display screen.
6. Press and hold the “ ⏻ ” key to turn off the meter.

C. Data Hold

Press the “HOLD” key once to activate the data hold function.
Press the “HOLD” key again to deactivate the function and return to normal measurement mode.

D. Max / Min

1. Press “MAX/MIN” key to enter MAX/MIN mode.
2. Press the key repeatedly to switch between the maximum and minimum values.
3. To exit this mode, press and hold the “MAX/MIN” key for about 2 seconds. The meter will return to normal real-time measurement mode.

E. Temperature Unit Selection

Press and hold the “ °C/°F ”key to switch between °C and °F.

F. Auto Power Off

This meter has an automatic power-off function. When the “ ⏻ ”I con appears on the LCD, this function is enabled. The meter will automatically power off after 10 minutes of inactivity.

To disable this function, follow the steps below: Before turning on the meter, press and hold the “ UNIT °C/°F ” key. Then press the “ ⏻ ” key with another finger. Release both keys at the same time to turn on the meter. The “ ⏻ ” icon will not be shown on the display, indicating that the function has been disabled.

When the meter is restarted, the automatic power-off function will be enabled again.

G. Technical Specifications

(1) Illuminance Measurement

Range/ Accuracy	0–200000 lux / 0–20000 fc
	± (3.0%+5)
Temperature	Range: -20.0°C ~ 60.0°C (-4.0°F ~ 140.0°F)
	Accuracy:0.0°C~45.0°C(32°F~113°F) ±1.0°C/2.0°F Other:±1.5°C/3.0°F
Humiditiy	Range:0.0%~99.9%RH
	Accuracy:20%~80%:±3.0%RH Other: ±4.0%RH
Sensor	Silicon photocell and optical filter
Operating conditions	-10°C ~ 50°C, <80%RH
Storage conditions	-10°C ~ 50°C, <70%RH
Auto power off	10 minutes
Power	3 × 1.5V AAA alkaline batteries
Size	149 × 58.6 × 27.6 mm
Weight	118 g

(2) LCD Color Display

Illuminance Range	LCD Screen Display
<5000 lux	Green
5000 lux ≤ Illuminance < 10000 lux	Yellow
≥10000 lux	Red

Press any key to turn on the backlight. It will turn off automatically after 2 minutes of inactivity.

(3) Reference for Common Illuminance Values

Common Illuminance Reference Values: (1 fc = 10.76 lux)	
1500–3000 lux	Maintenance & Inspection / Precision Work / Window Display
750–1500 lux	Design Drawing / Operating Room
300–750 lux	Classroom / Production Line
150–300 lux	Living Room / Office
75–150 lux	Corridor / Staircase
35–75 lux	Warehouse

Maintenance

A. Replace Battery

Replace the batteries promptly when the “ ▭ ” appears on the display.

1. Open the battery compartment cover of the meter.
2. Remove the old batteries.
3. Insert the new batteries according to the “+/-” polarity markings.
4. Ensure that the batteries are installed correctly, then close the battery cover securely.

B. Meter Cleaning

⚠ CAUTION

- Do not use corrosive agents or solvents to clean the meter, as this may cause damage.
- Clean the instrument regularly with a soft cloth slightly dampened with mild detergent or a dedicated cleaning solution.