USER MANUAL

LIGHT METER

PCE-LM 4

ENGLISH



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

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≤90% (Non-Condensation)
Operating Temperature: -20°C ... 60°C
Storage Temperature: -20°C ... 60°C

» Maintenance

Repairs or servicing not covered in this manual should only be performed by qualified personnel.
Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

» Safety Symbol

CE Comply with EMC

2. APPLICATION

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 and fast response time

» HD color LCD display

» Ambient temperature measurement, °C/°F unit selectable

» MAX/MIN/HOLD

» Selectable measurement units LUX/FCREC

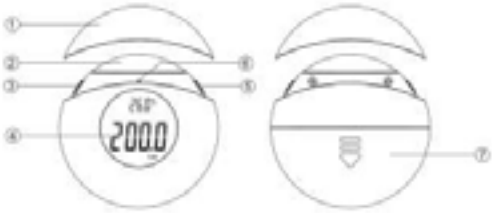
» Memory for 12 readings

» Magnet support

4. SPECIFICATIONS

Display	4 digits color LCD display
Measuring range	0 Lux~200K Lux, 0Fc~20KFc
Resolution	<1000 (0.1), >1000(1.0)
Accuracy	±3% rdg±8 dgts (<10,000Lux), ±4% rdg±10 dgts (>10,000Lux)
Temperature Range	-20°C ... 70°C /-4°F ... 158°F
Temperature Accuracy	±1.5°C /2.7°F
Data update	500ms
Over range indication	LCD displays „-OL-“
Units	LUX/FC
REC	Memory for 12 readings
HOLD/MAX/MIN	√
Magnet support	√
Battery Life	60 hours
Auto power off	With cover open, the meter shuts off automatically after 15 minutes inactivity
	With cover shut, the meter shuts off automatically after 1 minutes inactivity
Power supply	2*1.5V “AAA” batterie
Operating Conditions	-20°C ... 60°C / -4°F ... 140°F, 10% RH ...90% RH
Storage Conditions	-20°C ... 60°C / -4°F ...140°F, 10% RH ... 75%RH
Dimension(L*W*H)	174.5 × 80 × 31 mm
Weight	31g

5.METER DESCRIPTION



1. Sensor protective cover
2. Sensor
3. HOLD/MAX/MIN selection key
4. LCD display
5. Power ON/OFF key & REC key
6. Temperature sensor hole
7. Battery cover/magnetic area

6.LCD DISPLAY DESCRIPTION



1. Temperature display area
2. REC symbol
3. HOLD/MAX/MIN symbol
4. Illumination reading area
5. Illumination unit
6. Low battery symbol
7. Temperature unit symbol

7.OPERATION INSTRUCTION

7.1 Power ON/OFF function

1. Install the battery and open the protective cover, the meter will automatically turn on to measure the light intensity.
2. In the OFF mode while protective cover's removed, short press „E" key to manually turn on the meter. Press and hold the „E" key for 3 seconds to turn off the instrument manually.
3. The meter shuts off automatically after 15 minutes inactivity.

7.2 HOLD/MAX/MIN function

1. In measuring mode, short press the „H" key, the „HOLD" symbol is displayed on the top of the screen, which indicates the data is freezed.
2. Press the „H" key again, the „MAX" symbol will be displayed at the top of the screen, the captured maximum light reading will be displayed on the LCD
3. Press the „H" key again, the „MIN" symbol will be displayed at the top of the screen, and the captured minimum light reading will be displayed on the LCD
4. Press the „H" key again, the meter will exit the hold/max/min mode and return to normal measurement mode.
5. Press and hold the „H" key for 3 seconds, the instrument will clear the record MAX/MIN value and recapture the MAX/MIN value.

7.3 REC memory function

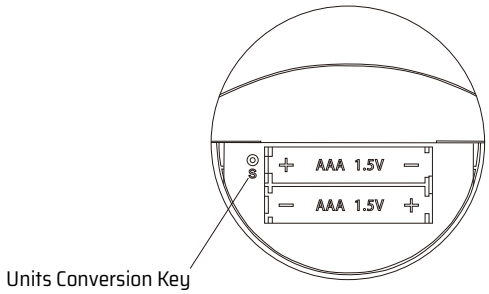
1. In the ON mode, short press „E" key, the instrument enters into REC mode, and the „REC" symbol is displayed on the top left of the screen. Press „H" key to view the record 1 to 12 measurement values in turn.
2. In the measurement mode, press „E" and „H" at the same time to store the desired values, which can be stored in 12 groups in cyclic memory.

7.4 °C / °F. Conversion function

In the ON mode, open the battery cover, short press „S" key to convert the temperature unit °C / °F.

7.5 Lux/Fc conversion function

In the ON mode, open the battery cover, long press the „S" key to convert the illuminance unit Lux/Fc



8. NOTES

1. The instrument has been calibrated before delivery. Please do not modify the calibration parameters without professional equipment and personnel.
2. [Note] This instrument has been well calibrated before delivery, the recommended calibration interval is one year.
3. Repair or maintenance should be done by professionals, not by manuals alone.
4. Wipe the case with a cloth regularly, do not use solvents or detergents to clean the meter
5. Please take out the battery when not using for a long time to avoid the battery liquid leaking out and corroding the meter.
6. When the battery power is low, LCD will show „„ symbol, then you must replace the new battery to avoid affecting the measurement accuracy.
7. Please do not use it in high temperature and high humidity place.

9. ACCESSORIES

1. User's manual
2. 2* 1.5V "AAA" batteries
3. Carrying pouch

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

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