REED

Model LM-81LX

Light Meter

Instruction Manual

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Features

- Designed for one-hand operation and to fit easily into a tool belt or pocket
- Auto-ranging
- User selectable Lux / Footcandles
- Min/Max and Data hold functions
- Auto shut off and zero adjustment button
- Over range and low battery indication
- Battery included

Specifications

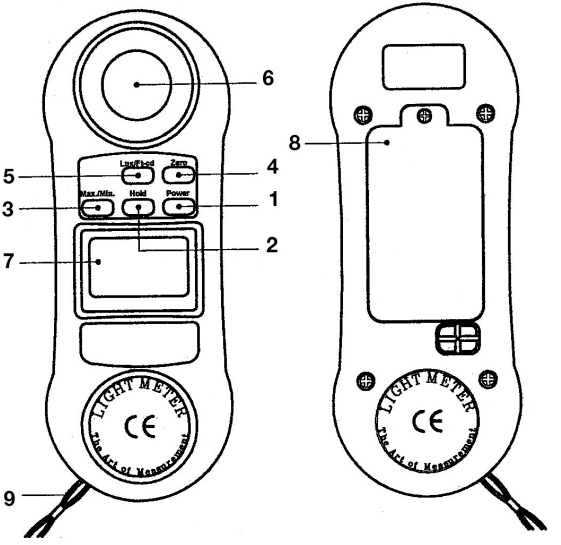
Display:	13 mm LCD display
Operating Humidity:	Max 80% RH
Operating Temperature:	0 to 50°C (32 to 122°F)
Power Supply:	006P DC 9V battery (Heavy-duty type)
Power Consumption:	Approx DC 6.2 mA
Weight:	160g (battery included)
Dimensions:	156 x 60x 33mm (6.14 x 2.36 x 1.29”)
Optional Accessories:	Soft Carrying Case (CA-52A)

Measurement	Range	Resolution	Accuracy
Lux	0 to 2,200 Lux	1 Lux	± 5% rdg ± 8 dgt
	1,800 to 20,000 Lux	10 Lux	
Foot-candle (Fc)	0 to 204.0 Fc	0.1 Fc	
	170 to 2,000 Fc	1 Fc	

Foot-candle = Ft-cd = Fc

Instrument Description

1. Power Button
2. Hold Button
3. Max/Min Button
4. Zero Button
5. Lux/Ft-cd button
6. Light Sensor
7. LCD display
8. Battery Compartment / Cover
9. Wristlet



Operating Instructions

1. Power on the instrument by pressing the Power Button.
2. Position the Light Sensor directly under the light source. Meanwhile the light reading value will be displayed on the LCD display.
3. Press the Lux/Ft-cd Button to select measuring unit Lux or Ft-cd.

Zero Offset Adjustment of Light Function

- For best results you should zero the light sensor prior to use in a dark environment. To achieve this, place the light sensor end of the meter under a desktop or flat surface to block any light. Press the Unit/Zero Button setting the meter indication to zero.
- The zero point can drift due to environment temperatures, battery power, as well as various other reasons. It is recommended that the zero be checked frequently using the above procedure.

Hold Function

Pressing the Hold Button) will freeze the current value with a “HOLD” symbol on the display. Press again to release the hold function.

Data Record Function

The Data Record function records & displays the maximum and minimum reading values.

1. Press the Max/Min Button once and the “Max” symbol along with the maximum value will appear on the display.
2. Press the Max/Min Button again, the “Min” symbol along with the minimum value will appear on the display.
3. To exit the memory record function, press the Max/Min Button continuously for at least 2 seconds. The display will revert to the current reading.
4. Clear the Max/Min value recorded by pressing the Hold Button. Previous recorded Max/Min value will be given up and then revert to the REC. function keep on recording.

Auto Power Off

In order to prolong the battery life, the instrument has “Auto Power Off” function. The meter will switch off automatically if no buttons are pressed for around 10 minutes.

Battery Replacement

When the left corner of the LCD display shows the low battery symbol, this indicates that replacement of the battery is then needed. However measurements could still be taken for another few hours before the meter becomes inaccurate.

1. Open the Battery Cover at the back of the meter and remove the battery
2. Replace with a 9V battery (alkaline or heavy-duty type) and reinstall the cover

For service on this or any other REED product or information on other REED products, contact REED Instruments at info@reedinstruments.com

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