

[Manuals.plus](#) /

› [BSIDE](#) /

› BSIDE L1 Digital Lux Meter User Manual

BSIDE L1

BSIDE L1 Digital Lux Meter User Manual

Model: L1

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective operation of your BSIDE L1 Digital Lux Meter. This device is designed to measure illuminance (light intensity) in various environments, providing accurate readings in both Lux and Foot-candles (Fc). Please read this manual thoroughly before using the device and retain it for future reference.



Image Description: A front view of the BSIDE L1 Digital Lux Meter, a gray handheld device with a white light sensor dome at the top, an LCD display, and red power, mode, and hold buttons. A protective cap is shown detached at the bottom left.

2. PRODUCT OVERVIEW

2.1 Key Features

- Measures environmental lux levels.
- Four selectable measurement ranges: 0-200, 0-2,000, 0-20,000, and 0-200,000 Lux.
- Displays maximum (MAX) and minimum (MIN) readings.
- Automatic and manual ranging capabilities.
- Data hold function for convenient reading.
- Automatic power-off to conserve battery life.
- Low battery indication.
- Units switchable between Lux and Foot-candles (Fc).

2.2 Device Components

Familiarize yourself with the main components of the BSIDE L1 Digital Lux Meter:



Image Description: A detailed diagram of the BSIDE L1 Digital Lux Meter, highlighting its key components. These include the measurement sensor (light detector) at the top, the LCD display screen, the red power on/off button, the 'MODE' button for changing units and accessing MAX/MIN, and the 'HOLD' button for data hold and manual ranging. A protective lid for the sensor is also shown.

- **Measurement Sensor:** The white dome at the top, responsible for detecting light. Always keep it clean and free from obstructions.
- **LCD Display:** Shows measurement readings, units (Lux/Fc), MAX/MIN indicators, hold function, and low battery warning.
- **Power On/Off Button:** Red button to turn the device on or off.
- **MODE Button:** Used to switch between Lux and Fc units (short press) and to access MAX/MIN reading modes (long press).
- **HOLD Button:** Used to freeze the current reading on the display (short press) and to switch between auto and

manual ranging (long press).

- **Protective Lid:** Covers the measurement sensor when not in use to protect it from dust and damage.

3. SETUP

3.1 Battery Installation

The BSIDE L1 Digital Lux Meter requires one 9V battery (not included) for operation. Follow these steps to install the battery:

1. Locate the battery compartment cover on the back of the device.
2. Slide the battery compartment cover downwards to open it.
3. Connect a new 9V battery to the battery connector, ensuring correct polarity (+ to + and - to -).
4. Place the battery into the compartment.
5. Slide the battery compartment cover back into place until it clicks securely.



Image Description: An image showing the back of the BSIDE L1 Digital Lux Meter with the battery compartment open. A 9V battery is shown separately, ready for installation. This illustrates how to access and install the battery.

Note: If the low battery indicator appears on the display, replace the battery promptly to ensure accurate measurements.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To turn on the device, press the red **Power On/Off** button. The LCD display will illuminate.
- To turn off the device, press the red **Power On/Off** button again.
- The meter features an automatic power-off function to save battery. If no button is pressed for approximately 15 minutes, the device will power off automatically.

4.2 Taking a Measurement

To obtain an accurate light measurement:

1. Remove the protective lid from the measurement sensor.
2. Point the measurement sensor towards the light source or the area where you wish to measure illuminance. Ensure no shadows or obstructions are covering the sensor.
3. Read the illuminance value directly from the LCD display.



Image Description: A hand holding the BSIDE L1 Digital Lux Meter, actively measuring light in a room with bookshelves and a desk. The display shows a reading of "61.5" in "AUTO 200" range, indicating the device is in use.

4.3 Switching Units (Lux/Fc)

The meter can display readings in Lux or Foot-candles (Fc).

- With the device powered on, short press the **MODE** button to toggle between Lux and Fc units. The selected unit will be displayed on the LCD.

4.4 Data Hold Function

To freeze the current reading on the display:

- Short press the **HOLD** button. The "HOLD" indicator will appear on the display, and the reading will be frozen.
- To release the hold function and resume live measurements, short press the **HOLD** button again. The "HOLD" indicator will disappear.

4.5 MAX/MIN Readings

The meter can record the maximum and minimum illuminance values during a measurement session.

- Long press the **MODE** button (for approximately 2 seconds). The "MAX" indicator will appear, displaying the maximum value recorded since entering this mode.
- Long press the **MODE** button again to switch to "MIN" mode, displaying the minimum recorded value.
- Long press the **MODE** button a third time to exit MAX/MIN mode and return to live measurement.

4.6 Auto/Manual Ranging

The meter defaults to auto-ranging, automatically selecting the most appropriate measurement range. For specific applications, manual ranging can be used.

- To switch to manual ranging, long press the **HOLD** button (for approximately 2 seconds). The "AUTO" indicator on the display will disappear.
- While in manual ranging mode, short press the **HOLD** button to cycle through the available ranges (e.g., 200 Lux, 2000 Lux, 20000 Lux, 200000 Lux).
- To return to auto-ranging, long press the **HOLD** button again. The "AUTO" indicator will reappear.



Image Description: A close-up of the BSIDE L1 Digital Lux Meter held in a hand, showing the LCD display with a reading of "729 Lux" in "AUTO 2000" range. This image demonstrates the device's display during a typical measurement.

5. SPECIFICATIONS

Parameter	Value
Display	Large LCD
Lux Range	0.1 to 200,000 Lux
Fc Range	0.01 to 20,000 Fc
Resolution	0.1 Lux / 0.01 Fc
Accuracy	±4%
Measurement Speed	2 times / second
Units	Lux & Fc
Power	1 x 9V battery
Operating Environment	-10°C to 50°C (14°F to 122°F), 10% to 90% RH
Dimensions	145 x 67 x 33 mm (5.7" x 2.6" x 1.3")
Weight	170g (6.0 oz)

6. MAINTENANCE

6.1 Cleaning

- Wipe the device casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Keep the measurement sensor clean and free from dust or smudges. Use a soft, lint-free cloth to gently clean the sensor if necessary.

6.2 Storage

- When not in use, always place the protective lid over the measurement sensor.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the battery to prevent leakage and damage to the device.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is dead or incorrectly installed.	Check battery polarity and replace with a new 9V battery if necessary.
"LO" or "OL" displayed.	Light intensity is outside the current measurement range.	If in manual range, switch to a higher or lower range. If in auto-range, ensure the light source is within the device's overall measurement capability (0.1 to 200,000 Lux).

Problem	Possible Cause	Solution
Inaccurate readings.	Dirty sensor, incorrect measurement angle, or low battery.	Clean the sensor. Ensure the sensor is pointed directly at the light source. Replace battery if low battery indicator is present.
Display is dim or flickering.	Low battery.	Replace the 9V battery.

8. SAFETY INFORMATION

- Do not attempt to modify or disassemble the device. This may cause damage and void the warranty.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- Keep the device away from strong electromagnetic fields.
- This device is not waterproof. Avoid contact with liquids.
- Dispose of batteries according to local regulations. Do not dispose of batteries in fire.
- This device is intended for general light measurement and is not certified for medical or critical safety applications.

9. PACKAGE CONTENTS

The package for your BSIDE L1 Digital Lux Meter includes:

- 1 x BSIDE L1 Digital Lux Meter
- 1 x User Manual

Note: A 9V battery is required for operation and is not included in the package due to shipping regulations.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly through their official website or customer service channels. Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question