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› LASELION LG70 Green-Beam Laser Distance Meter 229Ft Instruction Manual

## LASELION LG70

# LASELION LG70 Green-Beam Laser Distance Meter 229Ft Instruction Manual

Model: LG70 | Brand: LASELION

## INTRODUCTION

The LASELION LG70 Green-Beam Laser Distance Meter is a high-precision measuring tool designed for various applications in construction, carpentry, real estate, landscaping, and home improvement projects. This manual provides essential information for safe and effective operation of your device.

## WHAT'S IN THE BOX

- 1X Green-Beam Laser Measuring Device 229Ft
- 2X 1.5V AA Batteries
- 1X User Manual
- 1X Hand Strap
- 1X Portable Bag



Image: The LASELION LG70 Green-Beam Laser Distance Meter, two AA batteries, user manual, hand strap, and a portable carrying bag.

## PRODUCT FEATURES

- **Green Beam Laser:** The green laser beam is up to 4 times brighter than standard red lasers, enhancing visibility for both indoor and outdoor use. (Safety Laser Class II, <1mW power output).
- **High Accuracy:** Achieves accuracy up to  $\pm 1/16$  inch ( $\pm 2$ mm) over a measuring distance of up to 229ft (70m).
- **Multiple Measurement Modes:** Supports continuous measurements, single distance, area, volume, and Pythagorean calculations.
- **Dual Bubble Levels:** Integrated bubble levels ensure precise and level measurements.
- **Automatic Data Storage:** Stores up to 100 data records for convenient review and calculation.
- **User-Friendly Design:** Features a non-slip, compact, and portable design with an LCD backlit screen and mute setting.
- **Durable Construction:** IP54 rated for splash-proof, dustproof, and drop-proof performance.

## GREEN-BEAM LASER

Green Beam Laser distance measurement produces a dot 4 times brighter than a standard red beam.

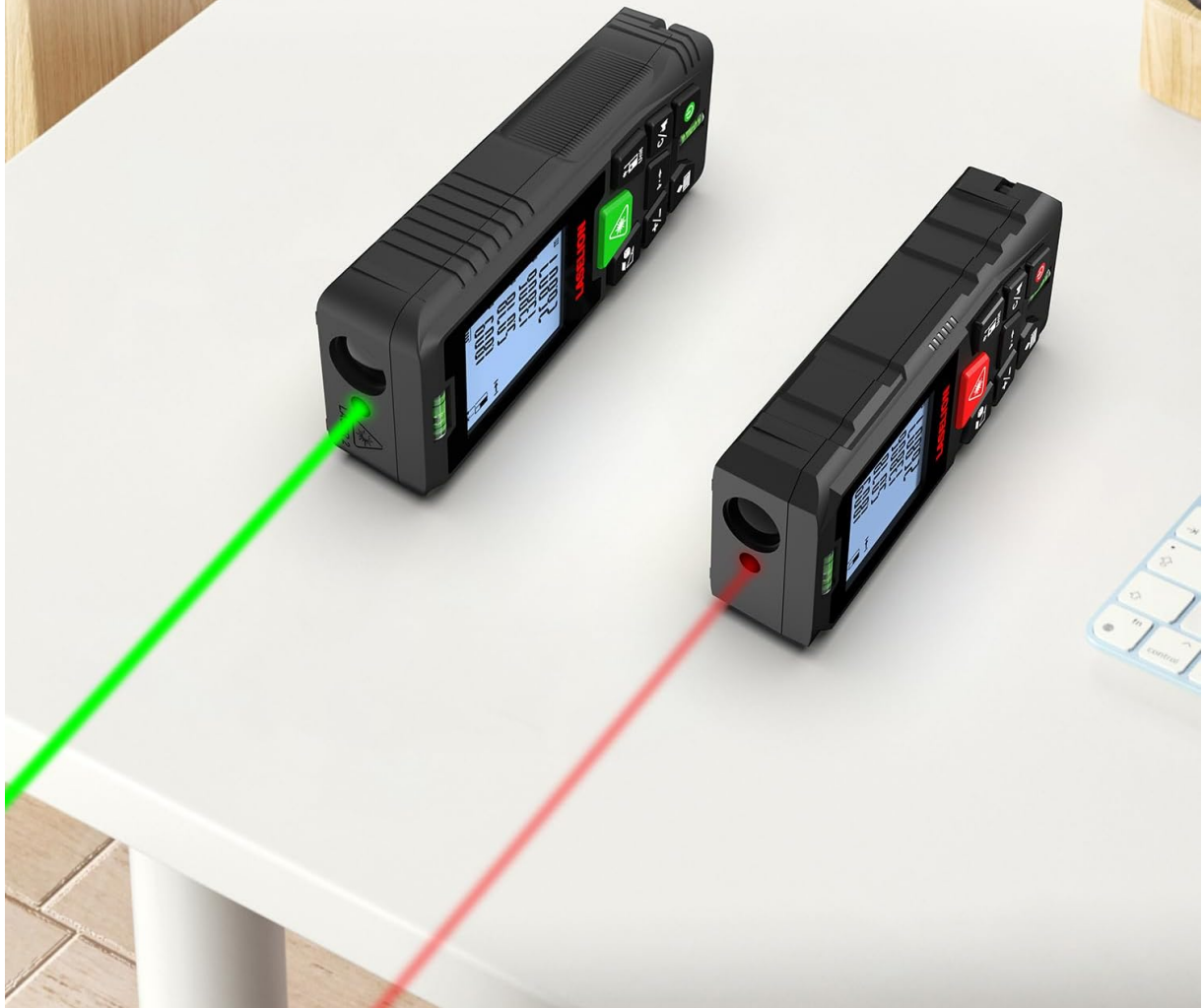


Image: A side-by-side comparison illustrating the enhanced visibility of the green laser beam compared to a traditional red laser beam.

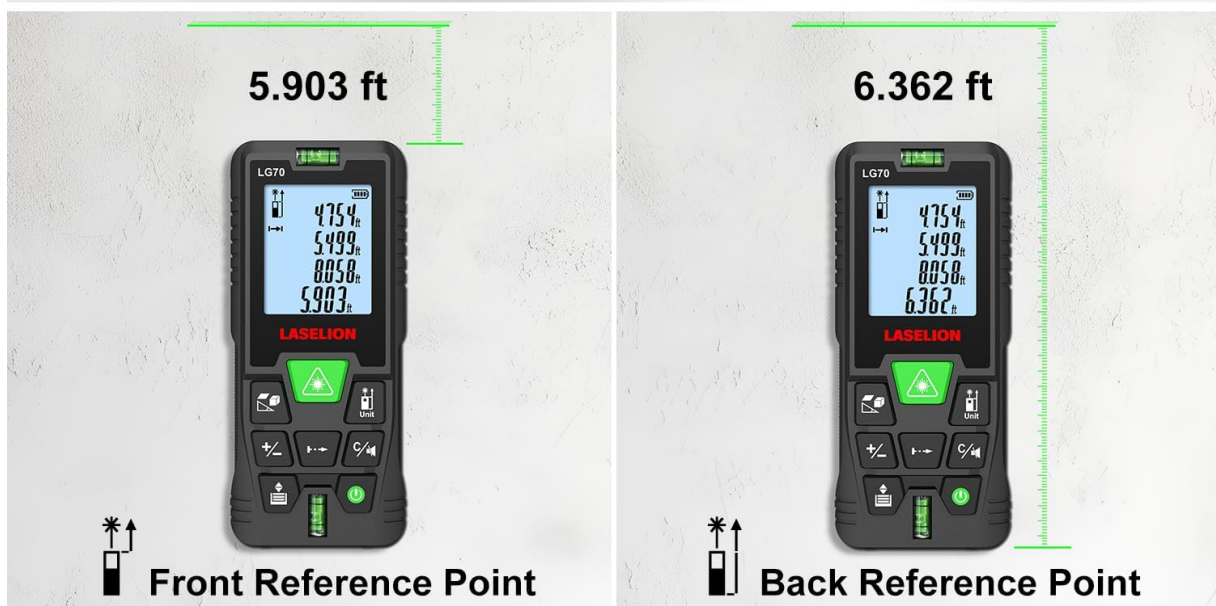


Image: The LASELION LG70 device highlighting its dual bubble levels for improved accuracy and the ability to measure from either the front or back reference point.

## SETUP

### Battery Installation

1. Open the battery compartment cover located on the back of the device.
2. Insert the two 1.5V AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

### Power On/Off

- To power on the device, press the **Power ON / OFF Button** (red button with power symbol).
- To power off the device, press and hold the **Power ON / OFF Button** for a few seconds. The device will also automatically shut off after a period of inactivity to conserve battery.



Image: A detailed view of the LASELION LG70's control panel, showing the Power ON/OFF button, Measure button, Menu button, Addition/Subtraction, Memory, Unit, and Clear/Mute buttons, along with LCD screen indicators.

## OPERATING INSTRUCTIONS

### Button Functions Overview

- **Measure Button (Green Triangle):** Activates the laser for aiming, takes measurements, and confirms selections.
- **Menu Button:** Accesses different measurement modes and settings.
- **Addition / Subtraction Button (+/-):** Performs addition or subtraction of measurements.
- **Memory Button:** Recalls stored measurement data.
- **Unit Button:** Switches between measurement units (m/ft/in/ft+in).
- **Clear (Return) / Mute Button (C/M):** Clears the current measurement, returns to the previous screen, or mutes/unmutes the device sound.

### Changing Measurement Units

Long press the **Unit Button** to cycle through the available measurement units: meters (m), feet (ft), inches (in), and feet+inches (ft+in).

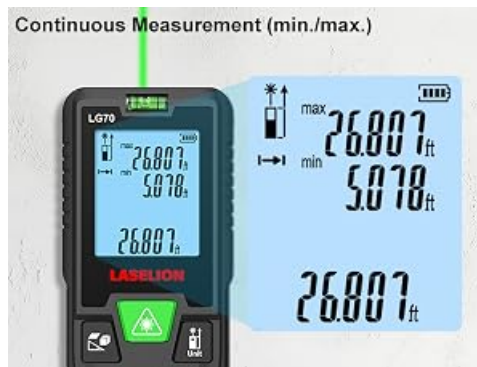


Image: The device display cycling through various measurement units including meters, decimal feet, feet and inches, and fractional inches.

## Setting Reference Point

Short press the **Reference Point Button** (next to the Unit button) to switch the measurement reference point between the front edge and the rear edge of the device. The default reference point is typically the rear edge.



Image: The device illustrating how measurements can be taken from either its front or rear edge, with corresponding icons on the display.

## Mute Function

Long press the **Clear (Return) / Mute Button (C/M)** to turn the key tone (buzzer) on or off. This is useful in environments where sound might be disruptive.



Image: The device display indicating the mute function is active, with an illustration of the C/M button being long-pressed.

## Automatic Data Storage

The device automatically stores up to 100 sets of measured and calculated values. When the memory is full, the latest measurement will overwrite the oldest record.

## LASELION LG70 229ft / 70M Laser Measure High Precision

- |                                                                                                        |                                                                                                     |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  High Precision       |  Green Beam        |
|  Unit Conversion      |  2 Bubble Levels   |
|  Addition Subtraction |  Mute Function     |
|  IP54 Waterproof      |  Automatic Storage |



Image: The device's screen showing a list of automatically stored measurement data, demonstrating its memory function.

## MEASUREMENT MODES

The LASELION LG70 offers a variety of measurement modes to suit different needs. Press the **Menu Button** to cycle through the modes.

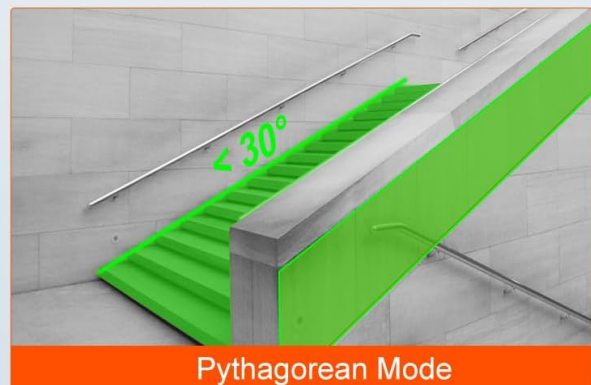
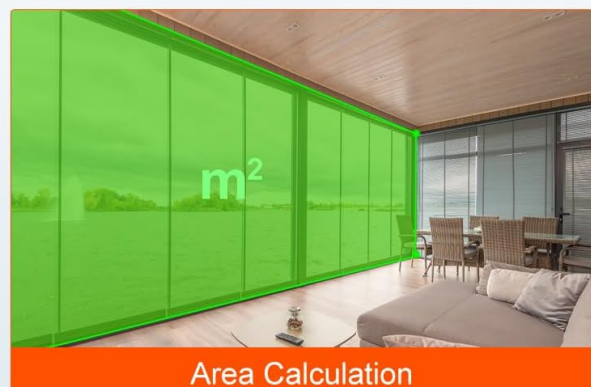
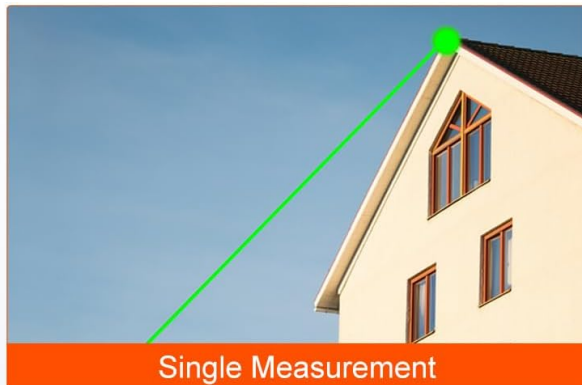


Image: A visual representation of the various measurement functions available on the device, including single, continuous,

distance, area, volume, and Pythagorean modes.

- **Single Measurement:** Press the Measure button once to activate the laser, then press again to take a single distance measurement.
- **Continuous Measurement (Min/Max):** Press and hold the Measure button to enter continuous measurement mode. The device will display real-time distance, along with minimum and maximum values. Press the Measure button again to exit.
- **Area Calculation:** In Area mode, take two consecutive distance measurements (length and width). The device will automatically calculate and display the area.
- **Volume Calculation:** In Volume mode, take three consecutive distance measurements (length, width, and height). The device will automatically calculate and display the volume.
- **Pythagorean Mode:** Used for indirect measurements. Follow the on-screen prompts to take the required measurements (e.g., two or three points to calculate height or distance).
- **Addition and Subtraction:** After taking a measurement, press the Addition/Subtraction button to add or subtract subsequent measurements.

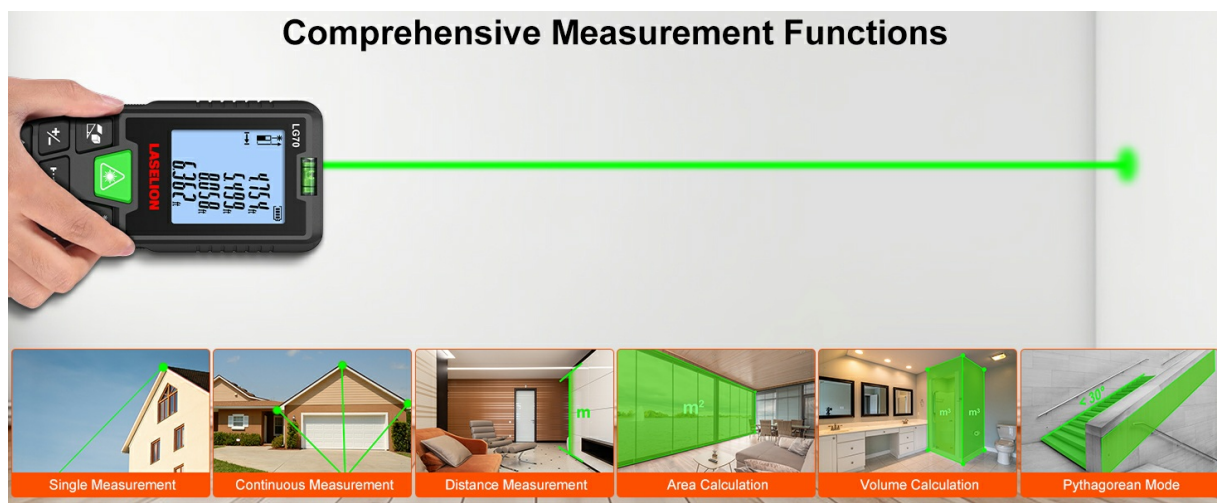


Image: The device display showing an example of adding two measurements together, illustrating the addition/subtraction function.

## ACCURACY CHECK AND CALIBRATION

To ensure the accuracy of your LASELION LG70, it is recommended to perform a simple accuracy check periodically:

1. Select a permanently unchangeable measuring section indoors, approximately 3 to 10 meters (9.8 to 32 feet) long. The target area should be smooth and reflect well (e.g., a white-painted wall).
2. Measure the distance 10 times in succession.
3. The deviation of individual measurements from the average value must not exceed  $\pm 0.12$  inches ( $\pm 2$  mm).

If the device consistently shows deviations outside the specified accuracy, refer to the troubleshooting section or contact customer support.

## SAFETY INFORMATION

- This device uses a Class II laser. Do not stare directly into the laser beam or direct it at other people.
- Do not attempt to modify or disassemble the device.
- Keep the device out of reach of children.

- Use the device only as described in this manual.

## MAINTENANCE

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- The device is IP54 rated, meaning it is protected against dust and splashing water. However, do not immerse it in water.
- Store the device in its portable bag in a dry, cool place when not in use.
- Remove batteries if the device will not be used for an extended period.

## TROUBLESHOOTING

If you encounter issues with your LASELION LG70, try the following:

- **Device not powering on:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate measurements:** Ensure the reference point is correctly set. Check for obstructions in the laser path. Perform an accuracy check as described above.
- **Laser not visible:** The green laser is highly visible, but in extremely bright conditions or over very long distances, it may be harder to see. Try using a target plate.
- **Error messages:** Consult the full user manual for specific error codes and their solutions.

## Video: Laser Distance Meter Operation

Your browser does not support the video tag.

Video: This video demonstrates the basic operation of a laser distance meter, including distance, area, volume, and Pythagorean measurements, as well as addition/subtraction and continuous measurement modes. It also shows how to change units and reference points.

## SPECIFICATIONS

|                 |                                       |
|-----------------|---------------------------------------|
| Brand           | LASELION                              |
| Model Number    | LG70                                  |
| Measuring Range | 70 meters (229 ft)                    |
| Accuracy        | ±1/16 inch (±2 mm)                    |
| Laser Class     | Class II, <1mW                        |
| Power Source    | 2 AA batteries (included)             |
| IP Rating       | IP54 (Waterproof, Dustproof)          |
| Item Weight     | 100 Grams                             |
| Material        | Plastic                               |
| Manufacturer    | Shenzhen Baisitu Technology Co., Ltd. |

## WARRANTY AND SUPPORT

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The LASELION LG70 Green-Beam Laser Distance Meter comes with a 12-month warranty from the date of purchase. For any questions, technical support, or warranty claims, please contact the manufacturer or your retailer.