

Kiprim LD70E

Kiprim LD70E Laser Distance Meter User Manual

Model: LD70E

1. INTRODUCTION

The Kiprim LD70E Laser Distance Meter is a precise and versatile tool designed for accurate measurements in various applications. It offers a maximum range of 70 meters (229 feet) with an accuracy of $\pm 1/16$ inch (± 2 mm). This device features a large backlit LCD for clear readings, multiple measurement modes including distance, area, volume, and Pythagorean calculations, and the ability to store up to 99 sets of data. Its durable, compact, and IP54-rated design ensures reliability for both professional and DIY use.

Safety Information

WARNING: This device uses a Class II laser. Do not stare directly into the laser beam or direct it at other people. Laser radiation can cause eye injury. The laser type is 650 nm with an output power of less than 1 mW.

- Always read the user manual carefully before operating the device.
- Do not attempt to modify or disassemble the device.
- Keep the device out of reach of children.
- Use only as described in this manual.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Kiprim LD70E Laser Distance Meter
- 2 x AAA 1.5V Batteries
- 1 x Carrying Bag
- 1 x Hand Strap
- 1 x Multi-language User Manual



Image: Kiprim LD70E Laser Distance Meter, two AAA batteries, carrying bag, hand strap, and user manual.

3. DEVICE LAYOUT AND CONTROLS

Familiarize yourself with the buttons and display of the Kiprim LD70E.

2 Bubble Levels



Large
Backlight Screen

Turn on /
Measuring

Addition &
Subtraction / Sound

Turn off /
Remove

Area/ Volume /
Pythagorean
Mode/ Save

Reference Point /
Unit Switch

Image: Front view of the Kiprim LD70E showing the LCD screen, measurement button (READ), function/mode button, addition/subtraction/sound button, reference point/unit switch button, and off/clear button. Two bubble levels are visible on the side and bottom.

- **READ Button:** Powers on the device, initiates measurement.
- **Function/Mode Button:** Cycles through measurement modes (Area, Volume, Pythagorean, etc.).
- **Addition & Subtraction / Sound Button:** Performs calculations or toggles sound.
- **Reference Point / Unit Switch Button:** Changes measurement reference point or units.
- **OFF / CLEAR Button:** Powers off the device, clears current measurement.
- **LCD Screen:** Displays measurements, battery status, and mode indicators.
- **Bubble Levels:** Two integrated bubble levels for horizontal and vertical alignment.

Large Backlit Screen

Can also be used in dark environments



Image: The Kiprim LD70E's large backlit LCD screen, illuminated for visibility in dark environments, showing multiple lines of measurement data.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open it.
3. Insert two 1.5V AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Power On/Off

- **Power On:** Press the **READ** button once to activate the laser.
- **Power Off:** Press and hold the **OFF / CLEAR** button for a few seconds. The device will also automatically power off after 150 seconds of inactivity to save battery.

4.3 Changing Measurement Units

To switch between measurement units (meters, inches, feet, feet+inches):

- When the device is on, long press the **Reference Point / Unit Switch** button.
- The unit displayed on the screen will change. Cycle through the available units until your desired unit is selected.

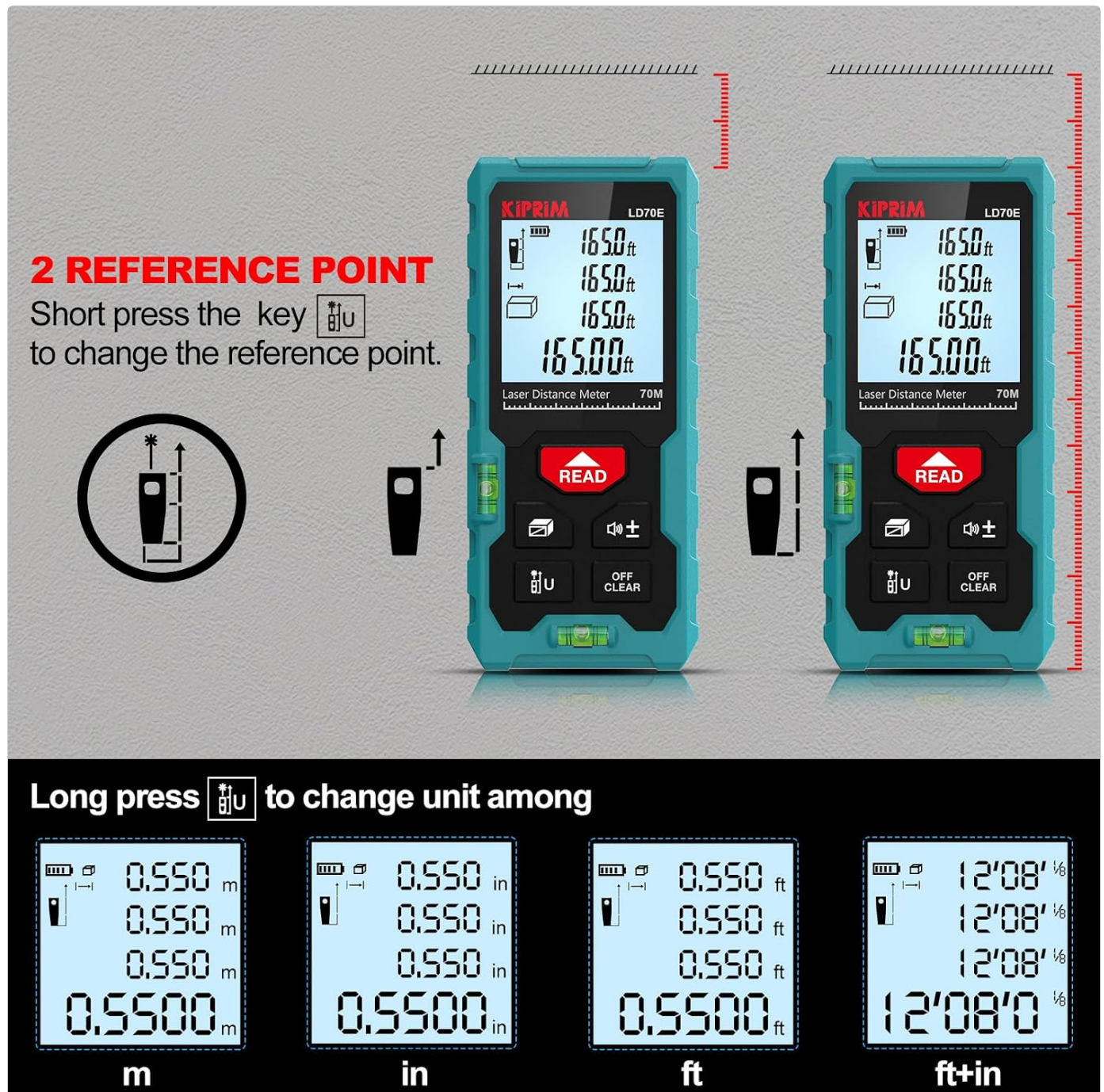


Image: The LD70E display illustrating how to change units between meters (m), inches (in), feet (ft), and feet+inches (ft+in) by long-pressing the unit button.

4.4 Adjusting Reference Point

The device can measure from the front or rear edge. To change the reference point:

- When the device is on, short press the **Reference Point / Unit Switch** button.
- An icon on the display will indicate whether the measurement is taken from the front or rear of the device.

2 REFERENCE POINT

Short press the key  to change the reference point.



Long press  to change unit among



m



in



ft



ft+in

Image: The LD70E display showing icons for selecting the measurement reference point, either from the front or the rear of the device.

5. OPERATING INSTRUCTIONS

The Kiprim LD70E offers multiple measurement modes for various applications.

Image: Visual representation of the various measurement modes available on the Kiprim LD70E, including single distance, continuous measurement, area calculation, volume calculation, and three different Pythagorean methods for indirect measurements.

5.1 Single Distance Measurement

1. Press the **READ** button once to activate the laser.
2. Aim the laser dot at the target point.
3. Press the **READ** button again to take the measurement. The result will be displayed on the screen.

5.2 Continuous Measurement (Tracking)

1. Press the **Function/Mode** button until the continuous measurement icon appears (often a running person or similar).
2. Press the **READ** button. The device will continuously measure and display the current distance as you move it.
3. Press **READ** again to stop continuous measurement.

5.3 Area Measurement

1. Press the **Function/Mode** button until the area measurement icon (a square) appears.
2. Measure the first side (e.g., length) by pressing **READ**.
3. Measure the second side (e.g., width) by pressing **READ**.
4. The device will automatically calculate and display the area.

5.4 Volume Measurement

1. Press the **Function/Mode** button until the volume measurement icon (a cube) appears.
2. Measure the length by pressing **READ**.
3. Measure the width by pressing **READ**.
4. Measure the height by pressing **READ**.
5. The device will automatically calculate and display the volume.

5.5 Pythagorean Measurement (Indirect Measurement)

This mode is used to measure heights or distances indirectly using the Pythagorean theorem.

1. Press the **Function/Mode** button until the desired Pythagorean mode icon appears (e.g., for single indirect height, double indirect height).
2. Follow the on-screen prompts to take the required measurements (e.g., hypotenuse, base).
3. Ensure the device remains level and stable during measurements for accuracy.
4. The device will calculate and display the indirect measurement.

5.6 Addition and Subtraction

1. Take a measurement.
2. Press the **Addition & Subtraction / Sound** button. A "+" or "-" sign will appear.
3. Take another measurement.
4. The device will display the sum or difference of the measurements.
5. Repeat for multiple additions/subtractions.

5.7 Data Storage and Recall

The LD70E can store up to 99 sets of measurement data.



Data Record up to 99 units

Supports data storage and clearing function, supports data addition and subtraction function

Image: The LD70E screen showing a list of stored data, indicating its capacity to record up to 99 measurement units.

- Measurements are automatically stored.
- To recall stored data, press the **Function/Mode** button repeatedly until the memory icon appears.
- Use the **Addition & Subtraction / Sound** button to scroll through stored data.
- To clear data, use the **OFF / CLEAR** button.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Clean the optical lens carefully with a soft cloth, similar to cleaning camera lenses.
- **Storage:** Store the device in its carrying bag in a cool, dry place when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the screen.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Batteries are dead or incorrectly inserted.	Replace batteries or check polarity.
Inaccurate measurements.	Unstable surface, laser obstructed, incorrect reference point, or strong sunlight.	Ensure stable positioning, clear laser path, verify reference point, or use in shaded areas. The device features auto-calibration for consistent accuracy.
Laser not visible.	Too bright environment, or laser malfunction.	Use in lower light conditions. If issue persists, contact support.
Display is dim or blank.	Low battery or device malfunction.	Replace batteries. If issue persists, contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	Kiprim
Model Number	LD70E
Measuring Range	0.05m - 70m (0.16ft - 229ft)
Accuracy	±1/16 inch (±2mm)
Measurement Units	m / in / ft / ft+in
Laser Type	Class II, 650nm, <1mW
Data Memory	99 sets
Auto-off Laser	30 seconds
Auto-off Device	150 seconds
Water/Dust Resistance	IP54
Batteries	2 x AAA 1.5V (Alkaline)
Material	Acrylonitrile Butadiene Styrene
Item Weight	158 Grams
Color	Petroleum Green
Special Features	2 Bubble Levels, Backlit LCD, Auto-calibration

9. WARRANTY AND SUPPORT

Kiprim offers a **24-month warranty** for the LD70E Laser Distance Meter. Additionally, friendly lifetime customer service is provided to assist with any questions or issues you may encounter.

For support, please refer to the contact information provided in the original product packaging or on the official Kiprim website.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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