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› Lomvum E40 Laser Distance Meter User Manual

Lomvum E40

Lomvum E40 Laser Distance Meter User Manual

Model: E40

1. INTRODUCTION

Thank you for choosing the Lomvum E40 Laser Distance Meter. This device is designed for precise and efficient distance measurements, offering a range of functions including area, volume, and indirect measurements. Its durable design ensures reliable performance in various environments. Please read this manual carefully before using the device to ensure safe and correct operation.

2. SAFETY INFORMATION

WARNING: Laser Radiation

- Do not stare directly into the laser beam.
- Avoid direct eye exposure to the laser beam.
- Do not aim the laser beam at people or animals.
- This device emits a Class 2 laser.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device.

3. PACKAGE CONTENTS

The Lomvum E40 Laser Distance Meter package includes:

- Lomvum E40 Laser Distance Meter (70M)
- 2 x AAA Batteries
- User Manual
- Storage Bag
- Wrist Strap

4. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your Lomvum E40 Laser Distance Meter.



Figure 1: Lomvum E40 Laser Distance Meter with labeled components.

Device Components:

1. **Laser Indication:** Indicates when the laser is active.
2. **LCD Display:** Shows measurements, modes, and settings.
3. **Electronic Angle Sensor:** Measures the tilt angle of the device.
4. **DIST Button (Orange):** Initiates measurement.
5. **MENU Button:** Accesses measurement modes (Area, Volume, Pythagorean).
6. **Save/Unit Switch Button:** Saves data or changes measurement units (M/in/ft).
7. **+ Button:** Adds measurements or enables sound.
8. **- Button:** Subtracts measurements.
9. **Reference Point Button:** Switches between front and rear reference points.
10. **C / %OFF Button:** Clears current measurement or turns off the device.

5. SETUP

Battery Installation:

The Lomvum E40 requires two AAA batteries. To install or replace batteries:

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

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Power On:** Press the **DIST** button once to turn on the device. The laser will activate.
- **Power Off:** Press and hold the **C / %OFF** button for a few seconds to turn off the device. The device will also automatically power off after 150 seconds of inactivity.

6.2 Unit Conversion

The device supports three measurement units: meters (M), inches (in), and feet (ft).

- To change the unit, press the **Save/Unit Switch** button repeatedly until the desired unit is displayed on the screen.



Figure 2: Unit conversion display on the Lomvum E40.

6.3 Reference Point Setting

You can choose to measure from the front or the rear edge of the device.

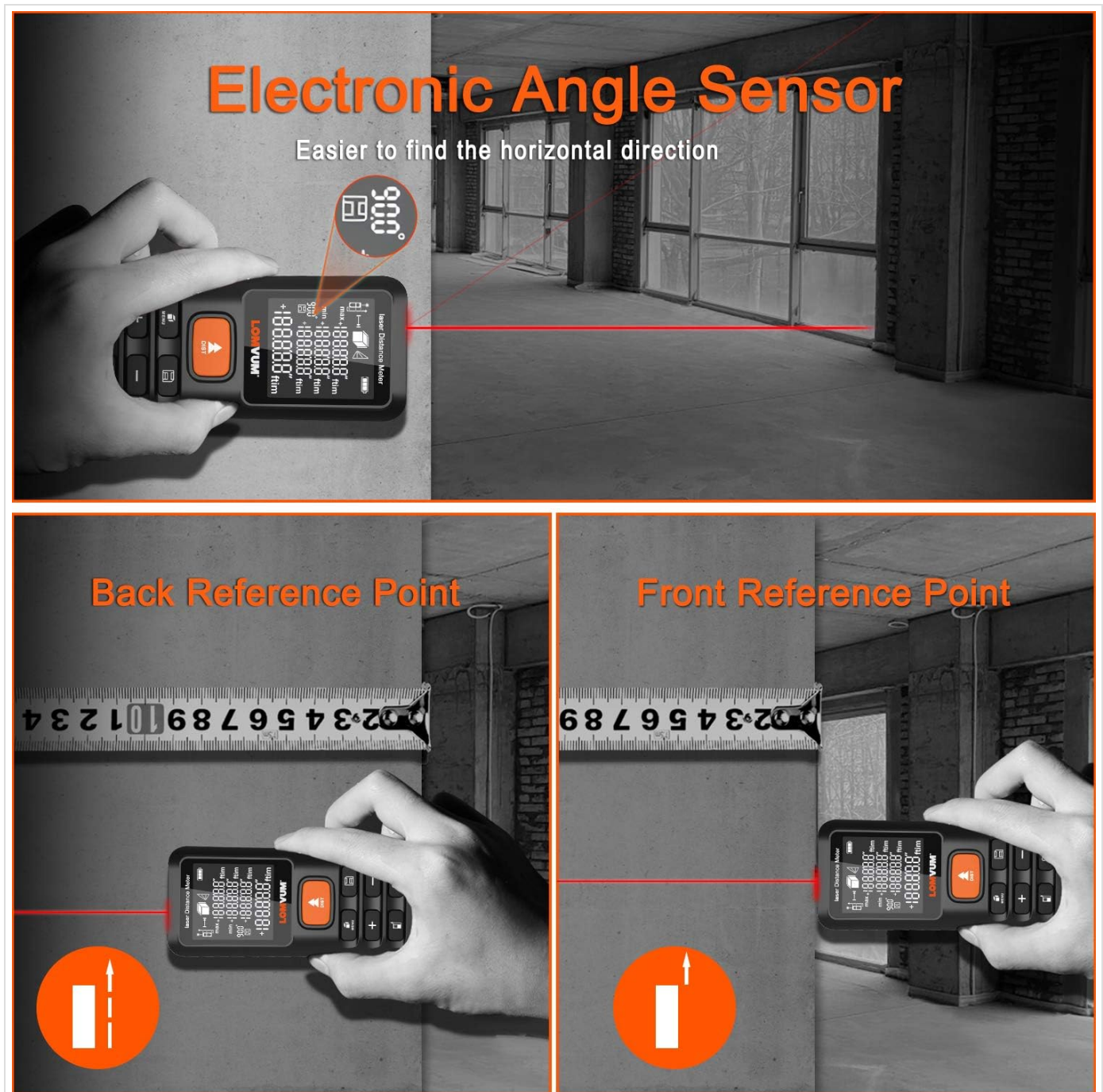


Figure 3: Setting the measurement reference point.

- Press the **Reference Point** button to toggle between the front and rear reference points. An icon on the display will indicate the active reference point.

6.4 Single Distance Measurement

1. Turn on the device by pressing **DIST**.
2. Aim the laser at the target point.
3. Press **DIST** again to take a measurement. The result will be displayed on the screen.

6.5 Continuous Measurement (Min/Max)

This mode allows you to find the minimum and maximum distances as you move the device.

1. Press and hold the **DIST** button for 2 seconds. The device will enter continuous measurement mode, indicated by a scanning icon.
2. Move the device slowly across the target area. The display will show the current, minimum, and maximum

distances.

3. Press **DIST** again to stop continuous measurement.



Figure 4: Continuous measurement mode displaying Min/Max values.

6.6 Area Measurement

To calculate the area of a rectangular space:

1. Press the **MENU** button once. The area icon (square) will appear on the display.
2. Press **DIST** to measure the first side (e.g., length).
3. Press **DIST** again to measure the second side (e.g., width).
4. The device will automatically calculate and display the area.

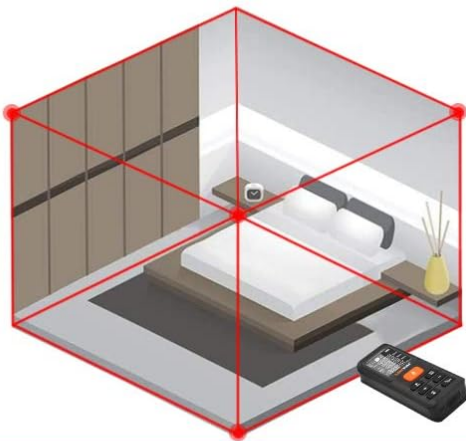
Measurement & Calculation



Distance Measurement



Area Measurement



Volume Measurement



Pythagoras Measurement

Figure 5: Various measurement functions including Area.

6.7 Volume Measurement

To calculate the volume of a space:

1. Press the **MENU** button twice. The volume icon (cube) will appear.
2. Press **DIST** to measure the length.
3. Press **DIST** again to measure the width.
4. Press **DIST** a third time to measure the height.
5. The device will automatically calculate and display the volume.

6.8 Pythagorean Measurement (Indirect Measurement)

This mode allows indirect measurement of height or distance using the Pythagorean theorem.

1. Press the **MENU** button three or four times to select the desired Pythagorean mode (e.g., single Pythagorean for height, double Pythagorean for complex heights).
2. Follow the on-screen prompts to take the required measurements (hypotenuse, base).

3. The device will calculate and display the indirect distance.

6.9 Angle Measurement

The built-in electronic angle sensor displays the tilt angle of the device.



Figure 6: Angle measurement display.

- The angle is continuously displayed on the screen, allowing you to find horizontal or vertical directions easily.

6.10 Data Storage

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



Figure 7: Data storage function displaying multiple measurement records.

- After a measurement, press the **Save/Unit Switch** button to save the current reading.
- To recall stored data, press and hold the **Save/Unit Switch** button. Use the **+** and **-** buttons to navigate through the stored records.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in its protective bag in a cool, dry place when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Durability:** The device has an IP54 rating, making it dustproof and splash-proof. However, avoid submerging it in water or exposing it to heavy rain.

IP54 Protection

Waterproof and Dust-proof



Figure 8: IP54 protection against dust and splashes.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Inaccurate measurements	Unstable surface; Obstruction in laser path; Extreme temperatures; Incorrect reference point	Ensure stable measurement; Clear laser path; Operate within specified temperature range; Verify reference point setting
Laser beam not visible	Bright ambient light; Long distance measurement	Measure in dimmer conditions; Use a target plate for better visibility over long distances

Problem	Possible Cause	Solution
Display error message	Measurement out of range; Internal error	Ensure target is within 70M range; Turn off and restart the device. If error persists, contact support.

9. SPECIFICATIONS

Feature	Specification
Measuring Range	70 meters
Measurement Precision	±2mm
Units	Meters (M), Inches (in), Feet (ft)
Functions	Distance, Area, Volume, Pythagorean, Continuous Measurement (Min/Max), Angle Measurement
Data Storage	99 sets
Protection Rating	IP54 (Dustproof, Splash-proof)
Battery Type	2 x AAA Batteries
Auto Laser Off	30 seconds
Auto Power Off	150 seconds
Product Weight	181 Grams
Material	Rubber
Color	Black

10. WARRANTY AND SUPPORT

The Lomvum E40 Laser Distance Meter comes with a 24-month quality guarantee. If you encounter any problems during use, please contact Lomvum customer support directly for assistance. Refer to the contact information provided with your purchase or on the official Lomvum 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.

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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

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