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› BILIPALA Laser Measure DH-US-LDM User Manual

## BILIPALA DH-US-LDM

# BILIPALA Laser Measure DH-US-LDM User Manual

Model: DH-US-LDM

## 1. INTRODUCTION

Thank you for choosing the BILIPALA Laser Measure DH-US-LDM. This device is designed for precise and efficient distance, area, and volume measurements. It features a backlit LCD display, multiple measurement modes, and unit switching capabilities (meters, inches, feet). Please read this manual carefully before using the device to ensure safe and optimal operation.

## 2. SAFETY INFORMATION

This laser measure emits a Class 2 laser. Observe the following safety precautions:

- **Do not stare directly into the laser beam.** Direct eye exposure can cause eye injury.
- Do not aim the laser beam at people or animals.
- Avoid operating the device in explosive environments.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device. Repairs should only be performed by authorized personnel.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x BILIPALA DH-US-LDM Laser Distance Meter
- 2x 1.5V AA Batteries
- 1x Carrying Bag
- 1x Wrist Strap
- 1x Multi-language User Manual (this document)

## 4. DEVICE OVERVIEW

Familiarize yourself with the components of your laser measure.



Figure 4.1: Front view of the BILIPALA Laser Measure DH-US-LDM, showing the display, control buttons, and laser aperture.

# Multiple Measurement Modes for Every Need You Can Imagine!



Single Measurement



Continuous Measurement



Area Measurement



Volume Measurement



Pythagoras Measurement



Addition and Subtraction



Figure 4.2: The device features two bubble spirit levels for accurate horizontal and vertical alignment, along with illustrations of different reference points (front, rear, end piece).

## 4.1. Display

The large backlit LCD screen provides clear readings of measurements, battery status, measurement mode, and unit settings.



Figure 4.3: The 2-inch large LCD screen with bright backlight ensures readability in various lighting conditions.

## 4.2. Buttons

- **Measure Button:** Activates the laser and takes measurements.
- **Unit Button:** Changes measurement units (m/in/ft). Long press to cycle through options.
- **Function Button:** Selects different measurement modes (Area, Volume, Pythagoras, Continuous, etc.).
- **Clear/Off Button (C):** Clears the last measurement or turns off the device (long press).
- **Add/Subtract Button (+/-):** Performs addition or subtraction of measurements.

## 5. SETUP

### 5.1. Battery Installation

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

## 5.2. Power On/Off

- **To Power On:** Press the **Measure** button once. The display will light up.
- **To Power Off:** Long press the **Clear/Off (C)** button for approximately 2 seconds. The device will also automatically shut off after 150 seconds of inactivity to conserve battery life.

## 6. OPERATING INSTRUCTIONS

### 6.1. Basic Distance Measurement

1. Turn on the device.
2. Ensure the device is in single measurement mode (usually the default).
3. Point the laser at the target surface.
4. Press the **Measure** button once. The measurement will appear on the display.



Figure 6.1: The laser measure provides quick and efficient single distance measurements, offering an accurate alternative to traditional tape measures.

### 6.2. Switching Measurement Units

The device supports meters (m), inches (in), and feet (ft).

- Press and hold the **Unit** button to cycle through the available units (m, ft, in, ft+in). Release the button when your desired unit is displayed.



Figure 6.2: The display illustrates how measurements are shown in different units, including meters, feet, and fractional inches.

### 6.3. Measurement Modes

Press the **Function** button repeatedly to cycle through the following measurement modes:

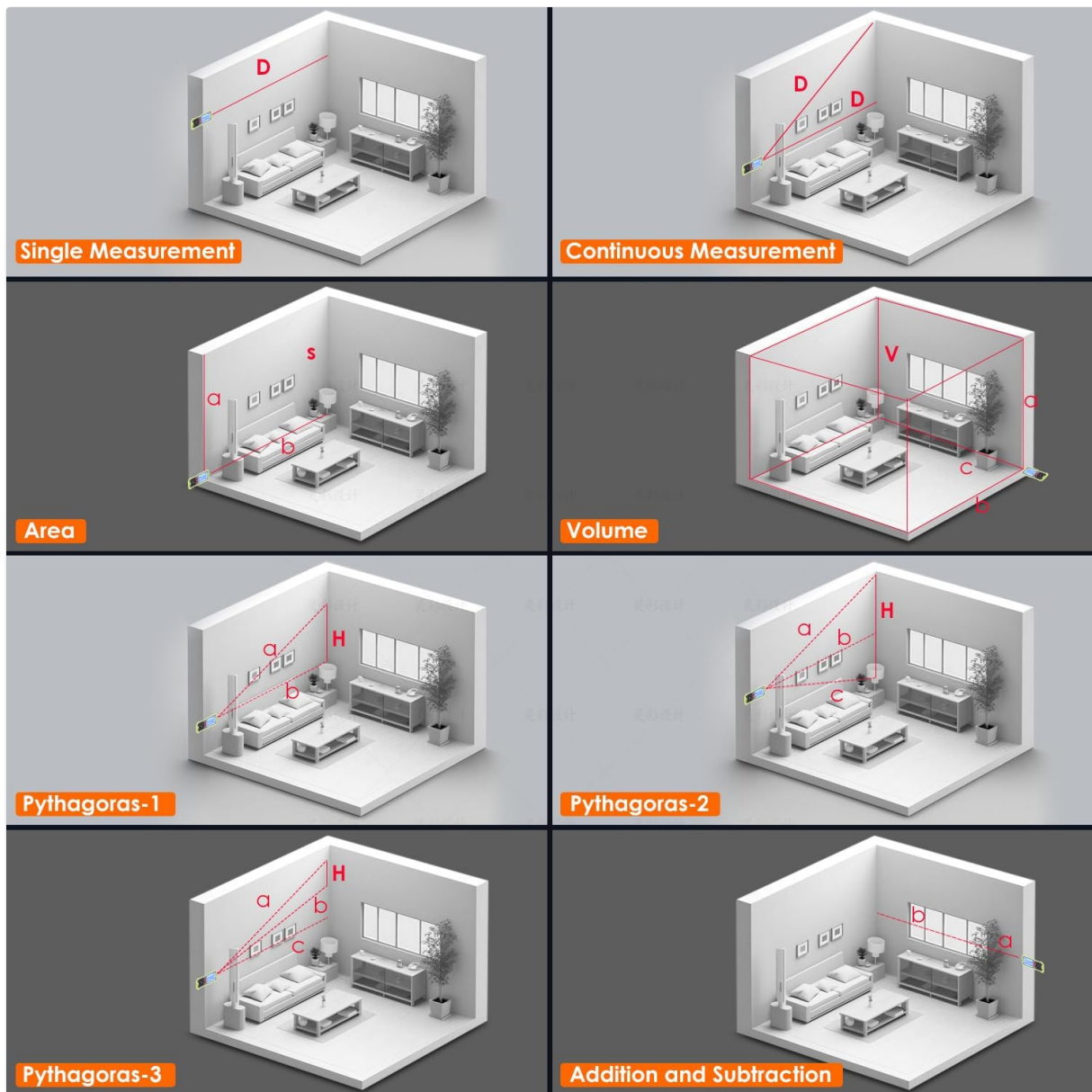


Figure 6.3: Visual representation of the different measurement functions available, including single distance, continuous, area, volume, three types of Pythagorean calculations, and addition/subtraction.

- **Single Measurement:** Measures the direct distance between two points.
- **Continuous Measurement:** Provides real-time distance updates as you move the device. Useful for finding minimum/maximum distances.
- **Area Measurement:** Measures length and width to calculate the area of a rectangular space.
- **Volume Measurement:** Measures length, width, and height to calculate the volume of a space.
- **Pythagorean Measurement (3-point):** Calculates indirect measurements using the Pythagorean theorem. There are three variations for different scenarios (e.g., measuring height when direct measurement is obstructed).
- **Addition/Subtraction:** Allows you to add or subtract measurements.

#### 6.4. Reference Point Adjustment

The device can measure from its front, rear, or end piece. The default reference point is typically the rear of the device. To change the reference point, press the dedicated reference point button (often indicated by an icon showing the measurement origin).

#### 6.5. Memory Function

The device stores up to 20 sets of measurement data. Refer to the display icons for accessing and

scrolling through stored measurements.

## 7. MAINTENANCE

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### 7.1. Cleaning

- Use a soft, damp cloth to clean the device casing. Do not use abrasive cleaners or solvents.
- Gently wipe the laser lens with a clean, lint-free cloth. Avoid touching the lens with your fingers.

### 7.2. Battery Replacement

When the low battery indicator appears on the display, replace both AA batteries as described in Section 5.1.

### 7.3. Storage

- Store the device in its carrying bag when not in use.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, remove the batteries to prevent leakage.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not turn on	Dead or incorrectly inserted batteries	Check battery polarity; replace batteries.
Laser beam not visible	Bright ambient light (e.g., direct sunlight)	Use in lower light conditions or use a target plate.
Inaccurate measurements	Unstable surface, obstructed laser, dirty lens, incorrect reference point	Ensure stable positioning, clear laser path, clean lens, verify reference point setting.
Display shows 'Error'	Measurement out of range or internal error	Move closer to target; restart device. If error persists, contact support.

## 9. SPECIFICATIONS

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Feature	Specification
Model	DH-US-LDM
Measurement Accuracy	±2mm
Measurement Range	Up to 100m (328ft)
Measurement Units	Meters (m), Inches (in), Feet (ft), Feet+Inches (ft+in)
Measurement Response Time	0.5 seconds
Measurement Modes	Single, Continuous, Area, Volume, Pythagorean (3-point), Addition/Subtraction
Data Memory	20 sets
Laser Class	Class 2
Auto-Shutoff	150 seconds (laser and device)
Battery Type	2 x 1.5V AA Alkaline batteries
IP Rating	IP54 (Dustproof and Splashproof)
Product Dimensions	4.93 x 3 x 12.5 cm (1.94 x 1.18 x 4.92 inches)
Product Weight	227 g (0.5 lbs)
Material	Plastic
Color	Red

## 10. WARRANTY AND CUSTOMER SUPPORT

BILIPALA stands by the quality of its products. This Laser Measure DH-US-LDM comes with **24-month warranty** from the date of purchase.

For any questions, technical assistance, or warranty claims, please contact our customer support team. We offer lifetime customer support to ensure your satisfaction.

### Contact Information:

Please refer to the contact details provided on the product packaging or our official website for the most up-to-date support information.