Lomvum 120M

LOMVUM 120M Professional Laser Distance Meter User Manual

Model: 120M

1. Introduction

Thank you for choosing the LOMVUM 120M Professional Laser Distance Meter. This device is designed for precise and efficient distance, area, and volume measurements. Please read this manual thoroughly before operating the device to ensure safe and correct usage.

2. Safety Instructions

WARNING: This product contains a Class 2 laser. Avoid direct eye exposure to the laser beam.

- Do not stare directly into the laser beam.
- Do not aim the laser beam at people or animals.
- Do not disassemble or modify the device. Repairs should only be performed by authorized personnel.
- Keep the device out of reach of children.
- Use the device only for its intended purpose as described in this manual.
- Avoid using the device in strong sunlight without the included reflector plate, as this can affect accuracy and range.

3. Package Contents

The LOMVUM 120M Professional Laser Distance Meter package includes:

- LOMVUM 120M Laser Distance Meter
- 2 x AAA Batteries
- Storage Bag
- Wrist Strap
- Reflector Plate
- User Manual

4. Product Overview

Familiarize yourself with the components of your LOMVUM 120M Laser Distance Meter.



Image 4.1: The LOMVUM 120M Laser Distance Meter shown with its included accessories: a reflector plate, two AAA batteries, a protective storage pouch, and a wrist strap. The device itself features a clear digital display and an intuitive button layout for various measurement functions, along with two integrated bubble levels for accurate alignment.

The device features a robust rubberized casing for durability and grip, a backlit LCD display, and integrated bubble levels for horizontal and vertical alignment.

5. Setup

5.1. 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 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

6. Operating Instructions

6.1. Power On/Off

- To power on: Press the **MEAS** button. The laser will activate.
- To power off: Press and hold the **CLEAR/OFF** button for a few seconds. The device will also automatically power off after 150 seconds of inactivity.

6.2. Unit Selection

Press the **Unit** button to cycle through measurement units: meters (m), inches (in), and feet (ft).

6.3. Reference Point Selection

The device allows you to choose the measurement reference point (front or rear of the device). Press the reference point button (often indicated by an icon showing the device's base) to switch between the front edge and the rear edge as the starting point for measurements.

6.4. Single Distance Measurement

1. Point the laser at the target.
2. Press the **MEAS** button once. The measured distance will appear on the display.

6.5. Continuous Measurement (Min/Max)

1. Press and hold the **MEAS** button. The device will enter continuous measurement mode.
2. Move the device slowly. The display will show the current, minimum, and maximum distances.
3. Press **MEAS** again to stop.

6.6. Area Measurement

1. Press the function button (often indicated by a square icon) until the area measurement icon appears.
2. Measure the first side (length) by pressing **MEAS**.
3. Measure the second side (width) by pressing **MEAS**.
4. The device will automatically calculate and display the area.

6.7. Volume Measurement

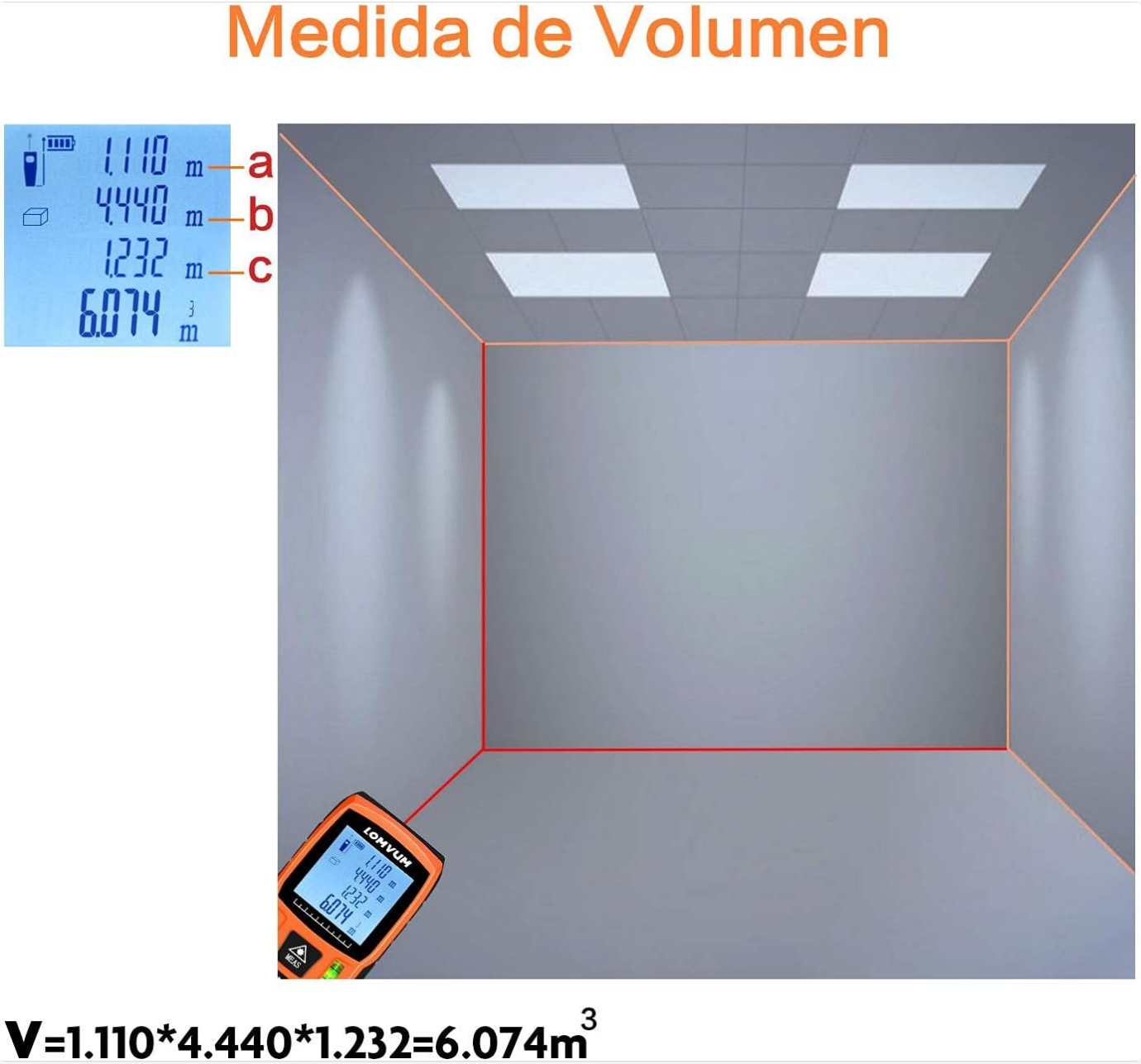


Image 6.7.1: The LOMVUM 120M Laser Distance Meter displaying a volume calculation. The screen shows three individual measurements (a, b, c) representing length, width, and height, followed by the calculated volume (6.074 m³). The image illustrates the device being used to measure the dimensions of a room for volume calculation.

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

6.8. Pythagorean Measurement (Indirect Distance)

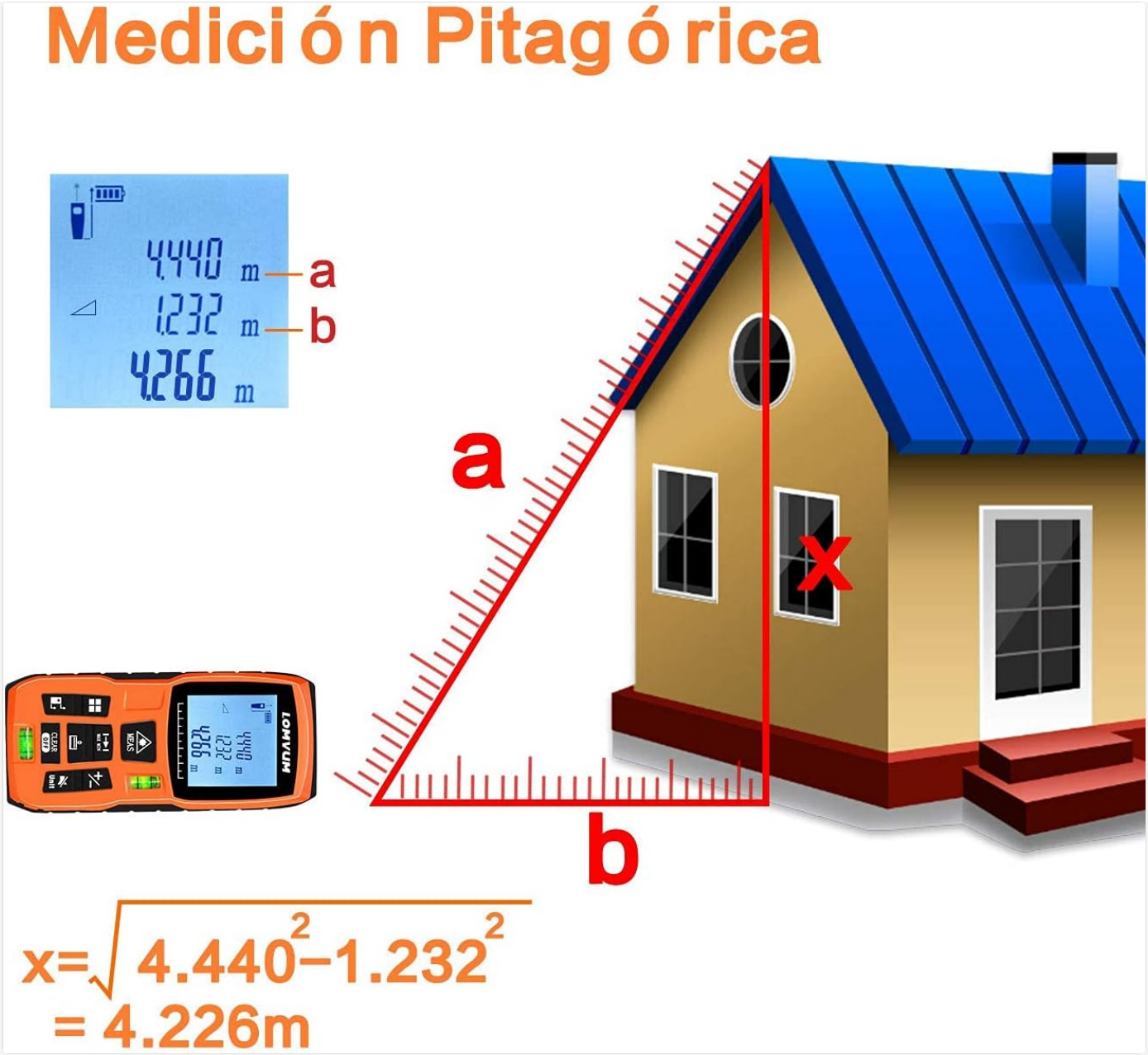


Image 6.8.1: The LOMVUM 120M Laser Distance Meter demonstrating a Pythagorean measurement. The display shows two measured sides (a and b) and the calculated indirect distance (x). The graphic illustrates how to measure the hypotenuse and one leg of a right-angled triangle to determine the length of the other leg, useful for inaccessible heights or distances.

This function allows you to measure inaccessible distances (e.g., height of a building) using the Pythagorean theorem.

1. Press the function button until the Pythagorean measurement icon appears (often a triangle).
2. Follow the on-screen prompts to measure the required sides (e.g., hypotenuse, base).
3. The device will calculate and display the indirect distance.

6.9. Data Storage and Recall



Image 6.9.1: The LOMVUM 120M Laser Distance Meter's display showing multiple stored measurement data entries. The device can store up to 20 sets of data, making it convenient for reviewing past measurements without needing to re-measure.

The device can store up to 20 sets of measurement data. Use the scroll buttons (often up/down arrows) to review stored measurements.

6.10. Calibration

The device features an automatic calibration function. Refer to the on-screen menu or specific button combinations for initiating calibration if you suspect accuracy issues.

6.11. Mute Function



Image 6.11.1: The LOMVUM 120M Laser Distance Meter in a quiet environment, demonstrating its mute function. The image shows the device being used in an office setting, with a 'no sound' icon indicating that the audible feedback is turned off, suitable for discreet measurements.

To operate the device silently, press the mute button (often indicated by a speaker icon with a cross) to turn off audible feedback for measurements.

6.12. Practical Applications



Image 6.12.1: A collage of images demonstrating various practical uses of the LOMVUM 120M Laser Distance Meter. Examples include measuring room dimensions for interior design, construction site measurements, outdoor property assessments, and measuring a child's height, highlighting its versatility for both professional and domestic tasks.

The LOMVUM 120M is suitable for a wide range of applications, from interior design and construction to outdoor property assessment and simple household measurements.

7. Maintenance

7.1. Cleaning

- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the laser lens carefully with a soft cloth, similar to cleaning camera lenses.

7.2. Storage

- Store the device in its protective bag when not in use.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

7.3. Water and Dust Resistance



Image 7.3.1: The LOMVUM 120M Laser Distance Meter being exposed to water splashes and dust, illustrating its IP54 rating for water and dust resistance. This feature ensures the device's durability and reliability in various working environments.

The device has an IP54 rating, providing protection against dust ingress and splashing water from any direction. However, it is not designed for submersion.

8. Troubleshooting

- **Device does not turn on:** Check battery polarity. Replace batteries if they are low or depleted.
- **Inaccurate measurements outdoors:** Strong sunlight can weaken the laser signal. Use the included reflector plate or measure in shaded areas.
- **Error message on display:** Refer to the specific error code in the full user manual (if available) or try restarting the device. Ensure the laser path is clear.

- **Measurement latency:** A slight delay between pressing the measure button and the result appearing is normal.

9. Specifications

Feature	Specification
Measurement Range	120M
Measurement Accuracy	±2mm
Units	Meters (m), Inches (in), Feet (ft)
Functions	Distance, Area, Volume, Pythagorean, Continuous Measurement (Min/Max), Addition/Subtraction
Data Storage	20 sets
Laser Class	Class 2
IP Rating	IP54 (Dust and Splash Water Resistant)
Power Supply	2 x AAA Batteries
Automatic Shut-off	Laser: 20s, Device: 150s
Material	Rubber (Casing)
Dimensions	15 x 8 x 6 cm
Weight	210 g

10. Warranty and Support

10.1. Warranty

This LOMVUM product comes with a**24-month quality guarantee** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

10.2. Customer Support

If you encounter any issues during the use of your LOMVUM 120M Laser Distance Meter, please contact our customer support directly. Provide your purchase details and a description of the problem for efficient assistance.
For further information or support, please visit the official Lomvum store:Lomvum Store on Amazon

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