

Metrica 61120

Metrica One 61120 Laser Distance Meter User Manual

Model: 61120 | Brand: Metrica

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your Metrica One 61120 Electronic Laser Distance Meter. Please read this manual thoroughly before using the device to ensure proper handling and to prevent potential hazards.

The Metrica One 61120 is a compact and precise tool designed for quick and accurate measurements of lengths, areas, and volumes. Its user-friendly interface and robust design make it suitable for various professional and DIY applications.

2. PRODUCT OVERVIEW

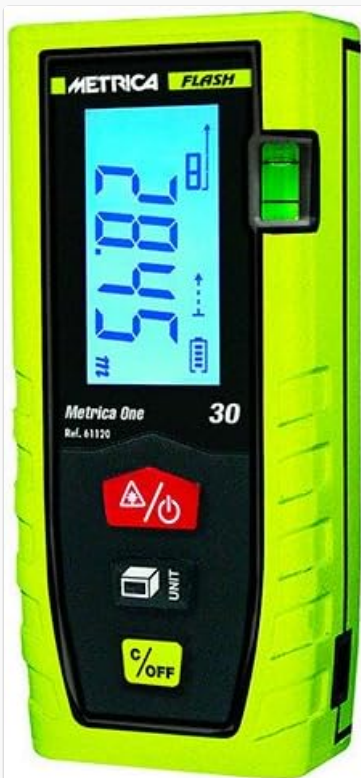


Figure 1: Metrica One 61120 Laser Distance Meter

Key Features:

- **Measuring Range:** 0 to 30 meters
- **Precision:** ± 2 mm
- **Laser Class:** Class II (visible laser light)
- **Display:** Backlit, large single-line display for easy readability
- **Functions:** Single distance, continuous measurement, area calculation, volume calculation
- **Power Source:** Alkaline Battery (included)
- **Dimensions:** 105 x 46 x 26 mm
- **Weight:** Approximately 80 grams
- **Material:** Durable Aluminum or ABS casing
- **Included Accessories:** Resistant black carrying case, strap

3. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury.

- This device emits Class II laser radiation. Do not stare directly into the laser beam.
- Avoid directing the laser beam towards people or animals.
- Do not disassemble or modify the device. Repairs should only be performed by authorized service personnel.
- Keep the device out of reach of children.
- Use only the specified battery type. Ensure correct polarity during installation.
- Do not use the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Protect the device from moisture and direct sunlight.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open in the direction indicated by the arrow.
3. Insert the alkaline batteries (included) into the compartment, ensuring the correct polarity (+/-) as marked inside.
4. Close the battery compartment cover securely until it clicks into place.

Note: Remove batteries if the device will not be used for an extended period to prevent leakage.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To power on the device, press the **RED** button (marked with a laser and power symbol).
- To power off the device, press and hold the **C/OFF** button for a few seconds. The device also features an auto-off function to conserve battery life after a period of inactivity.

5.2 Basic Distance Measurement

1. Point the laser distance meter at the target surface.
2. Press the **RED** button once. The laser beam will activate.
3. Press the **RED** button again to take the measurement. The measured distance will be displayed on the screen.

5.3 Continuous Measurement (Tracking)

1. From the main measurement screen, press and hold the **RED** button for approximately 2 seconds. The device will enter continuous measurement mode.
2. Move the device slowly towards or away from the target. The display will continuously update with the current distance.
3. Press the **RED** button again to exit continuous measurement mode.

5.4 Area Measurement

1. Press the **UNIT** button (marked with a box symbol) repeatedly until the area measurement icon (usually a square) appears on the display.
2. Take the first measurement (e.g., length) by pressing the **RED** button.
3. Take the second measurement (e.g., width) by pressing the **RED** button again.
4. The device will automatically calculate and display the area.

5.5 Volume Measurement

1. Press the **UNIT** button repeatedly until the volume measurement icon (usually a cube) appears on the display.
2. Take the first measurement (length) by pressing the **RED** button.
3. Take the second measurement (width) by pressing the **RED** button.
4. Take the third measurement (height) by pressing the **RED** button.
5. The device will automatically calculate and display the volume.

5.6 Unit Switching

To change the measurement unit (e.g., meters, feet, inches), press the **UNIT** button repeatedly until the desired unit is displayed.

5.7 Reference Point Adjustment

The device typically measures from its base by default. To change the reference point (e.g., to measure from the top of the device), consult the specific button on your device, often indicated by an icon showing the measurement origin. This model's description does not specify a dedicated button for this, but it is a common feature on laser distance meters.

5.8 Memory Function

The Metrica One 61120 stores previous measurements. The display is designed for easy reading of current and possibly previous measurements. To access stored values, refer to the specific instructions in the full product manual, as a dedicated memory button is not explicitly detailed in the product description.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use harsh chemicals or abrasive cleaners.

- **Lens Care:** The laser lens is a sensitive component. Clean it gently with a soft cloth, similar to cleaning camera lenses. Do not touch the lens with your fingers.
- **Storage:** Store the device in its resistant carrying case in a dry, dust-free environment when not in use. Avoid extreme temperatures.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Always use new alkaline batteries of the specified type.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low or dead batteries; incorrect battery installation.	Replace batteries; check battery polarity.
Inaccurate measurements.	Laser lens dirty; target surface too reflective/absorbent; device not stable.	Clean laser lens; use a non-reflective target; ensure device is stable during measurement.
Laser beam not visible.	Bright ambient light; laser not activated.	Use in lower light conditions; press the measurement button to activate laser.
Error message on display.	Measurement out of range; internal error.	Ensure target is within 0-30m range; restart device. If problem persists, contact support.

8. SPECIFICATIONS

Feature	Detail
Model Number	61120
Measuring Range	0 - 30 meters
Measurement Precision	± 2 mm
Laser Class	Class II
Laser Type	Visible laser light
Power Source	Alkaline Battery (included)
Auto-Off Function	Yes
Display	Backlit, single large line
Dimensions (L x W x H)	105 x 46 x 26 mm
Weight	80 g
Material	Aluminum or ABS

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Metrica website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues not covered in this troubleshooting section, please contact Metrica customer service for assistance.

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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