

Metrica 60845

METRICA 60845 Green Light Laser Level User Manual

Model: 604845

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your METRICA 60845 Green Light Laser Level. This compact automatic level is designed for both indoor and outdoor applications, offering high precision and convenience. It features a rechargeable lithium-ion battery, a magnetic wall mount, and a remote control for enhanced usability. Please read these instructions carefully before operating the device.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury and damage to the device:

- **Laser Radiation:** This product emits Class II laser radiation. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Children:** Keep the device out of reach of children.
- **Operating Environment:** Do not operate the laser level in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Maintenance:** Do not attempt to modify or disassemble the device. Repairs should only be performed by authorized service personnel.
- **Battery Safety:** Use only the specified rechargeable battery. Do not expose the battery to excessive heat or dispose of it in fire.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- METRICA 60845 Laser Level
- Rechargeable Li-ion Battery (3.7V 4000mAh)
- Remote Control
- Magnetic Wall Mount / Support Bracket
- USB-C Charging Cable

- Shockproof Carrying Case
- Green Target Plate (for enhanced visibility)



Image 1: METRICA 60845 Laser Level, remote control, magnetic mount, USB-C cable, target plate, and shockproof carrying case.

4. PRODUCT OVERVIEW AND FEATURES

The METRICA 60845 projects three 360° laser beams: two vertical and one horizontal, allowing for up to three crosses and two plumb points. It ensures 90° orthogonality. Key features include:

- Automatic self-leveling within $\pm 4^\circ$ range.
- Automatic flashing signal if out of self-leveling range.
- Compensator lock for safe transport.
- 1/4" thread for camera tripods and 5/8" thread for wall mount.
- Remote control for activating laser lines and adjusting intensity.
- IP54 protection class for dust and splash resistance.

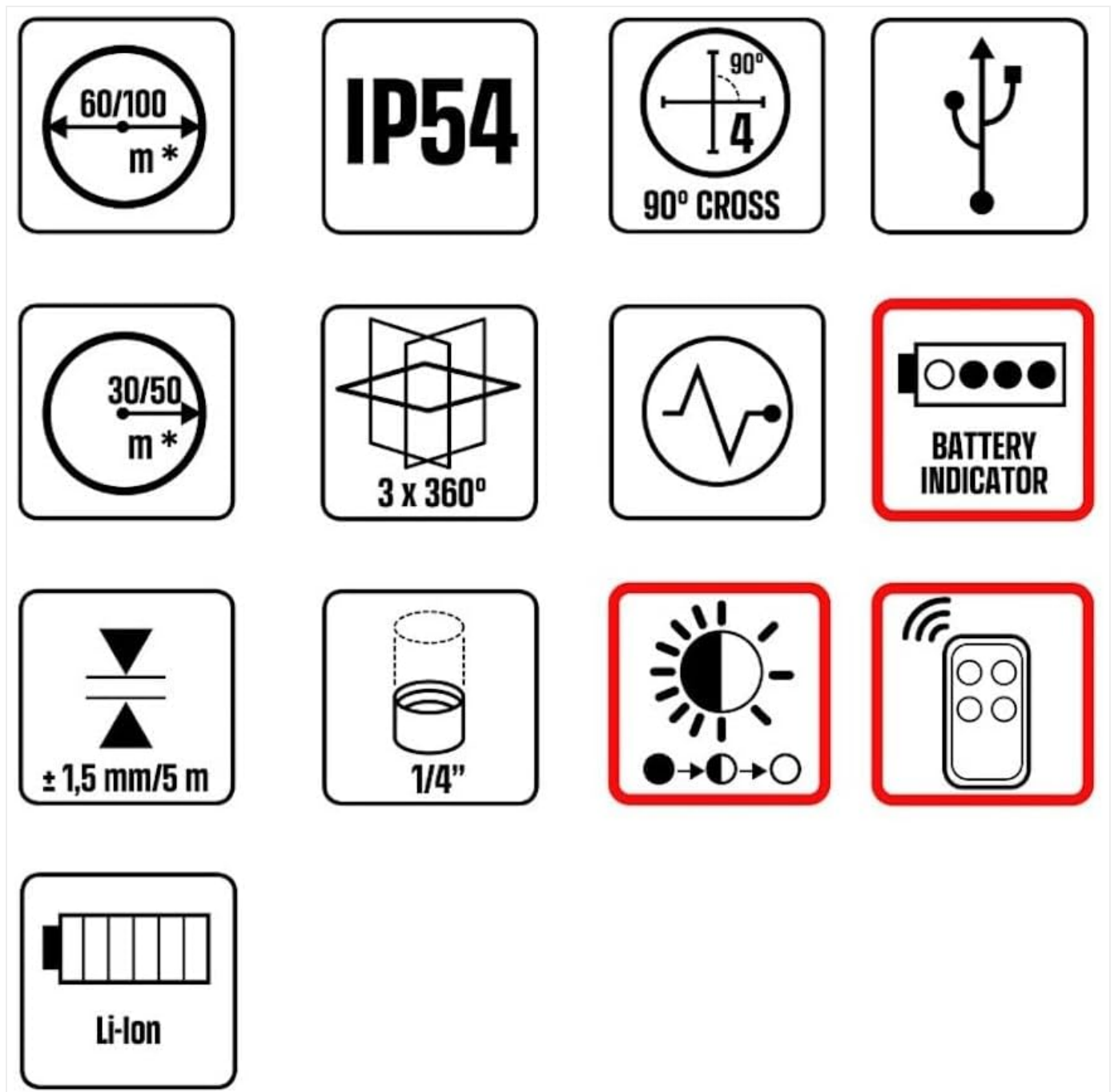


Image 2: Icons illustrating key features such as working range (30/50m), IP54 rating, 90° cross, USB charging, 3x360° lines, self-leveling accuracy ($\pm 1.5\text{mm}/5\text{m}$), 1/4" thread, battery indicator, remote control, and Li-ion battery.

5. SETUP

1. **Charging the Battery:** Connect the USB-C cable to the laser level and a suitable USB power adapter (not included). The battery indicator will show charging status. A full charge is recommended before first use.
2. **Mounting:**
 - For tripod use, attach the laser level to a tripod using the 1/4" thread at the bottom of the unit.
 - For wall mounting, attach the magnetic wall mount to a suitable surface. The laser level can then be attached to the mount using its magnetic base or the 5/8" thread.
3. **Placement:** Place the laser level on a stable, level surface or mount it securely. Ensure the device is within its self-leveling range ($\pm 4^\circ$).

6. OPERATION

1. **Power On/Off:** Press the power button on the device or the remote control to turn the laser level on or off.
2. **Self-Leveling Mode:** When powered on, the device will automatically enter self-leveling mode. If the device is outside its self-leveling range ($\pm 4^\circ$), the laser lines will flash rapidly. Adjust the device's position until the lines become steady.
3. **Manual Mode (Slope Function):** To use the device for projecting lines at an angle, press and hold the power button for a few seconds until the laser lines lock (they will not self-level). This mode is useful for tasks like installing handrails.
4. **Selecting Laser Lines:** Use the buttons on the device or the remote control (V1, V2 for vertical lines, H for horizontal line) to activate or deactivate specific laser lines.
5. **Adjusting Intensity (Remote Control):** The remote control allows you to adjust the intensity of the laser beams, which can help conserve battery life if full brightness is not required.
6. **Receiver Mode (Outdoor Use):** For outdoor use or in bright conditions, an optional laser receiver (not included) can extend the working range up to 50m. Consult the receiver's manual for pairing instructions.

7. MAINTENANCE AND STORAGE

- **Cleaning:** Keep the laser level clean. Wipe off any dust or debris with a soft, damp cloth. Do not use solvents or abrasive cleaning agents.
- **Lens Care:** Gently clean the laser output windows with a soft, lint-free cloth.
- **Storage:** When not in use, store the device in its shockproof carrying case in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the compensator is locked before transport or storage to prevent damage.
- **Battery:** For long-term storage, charge the battery to approximately 50% every few months to maintain its health.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Laser lines are flashing rapidly.	Device is out of self-leveling range ($\pm 4^\circ$).	Adjust the device's position until it is within the self-leveling range.
Laser does not turn on.	Battery is depleted or not properly inserted.	Charge the battery. Ensure the battery is correctly inserted.
Remote control is not working.	Remote control battery is depleted or out of range.	Replace the remote control battery. Ensure you are within effective range of the device.
Laser lines are dim.	Low battery or intensity setting is low.	Charge the battery. Use the remote control to increase laser intensity.

9. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	604845
Laser Type	Green Laser, 505-550 nm, Class II, <1 mW
Working Range	30 m (50 m with receiver)

Specification	Value
Leveling Accuracy	± 1.5 mm / 5 m
Self-Leveling Range	± 4°
Self-Leveling Signal Off	Yes
Threads	1/4" (bottom of laser), 5/8" (wall mount)
Battery	Lithium-ion 3.7 V, 4000 mAh
Dimensions (L x W x H)	75 x 95 x 95 mm
Weight	0.34 kg
Protection Class	IP54

10. WARRANTY AND SUPPORT

Specific warranty information is not provided within this manual. For warranty details, technical support, or service inquiries, please refer to the documentation included with your purchase or contact Metrica customer service directly. Keep your purchase receipt as proof of purchase.

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