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VEVOR Láser Verde

VEVOR Rotary Green Laser Level Kit User Manual

Model: Láser Verde

1. Introduction

This manual provides detailed instructions for the safe and effective use of your VEVOR Rotary Green Laser Level Kit. This kit is designed for precise leveling and alignment tasks in various construction and architectural applications. Please read this manual thoroughly before operating the device and retain it for future reference.

2. Safety Information

Always observe basic safety precautions to reduce the risk of injury. This device emits a laser beam. Avoid direct eye exposure to the laser. Use the provided laser glasses for eye protection when operating the device. Do not attempt to modify or disassemble the laser level. Keep the device away from children.

3. Product Overview and Components

The VEVOR Rotary Green Laser Level Kit includes a rotary laser level, an adjustable aluminum tripod, a 5-section measuring staff, a laser receiver, laser glasses, a remote control, and a hard carrying case.

Figure 3.1: Overview of the VEVOR Rotary Green Laser Level Kit, showing the laser unit, tripod, measuring staff, receiver, remote, and protective glasses.

Figure 3.2: Close-up view of the VEVOR rotary green laser level unit, highlighting its controls and laser emitter.

4. Setup

4.1 Assembling the Tripod

1. Unfold the tripod legs and extend them to the desired height.
2. Secure the leg extensions using the locking clamps.
3. Ensure the tripod is stable on a firm, level surface. For outdoor use, press the pointed feet into the ground for added stability.

Figure 4.1: The adjustable aluminum tripod, illustrating its height range from 1.04m (3.41 ft) to 1.65m (5.41 ft).

4.2 Mounting the Laser Level

1. Carefully place the rotary laser level onto the tripod head.
2. Secure the laser level to the tripod using the mounting screw on the tripod head. Ensure it is firmly attached.

4.3 Setting up the Measuring Staff

1. Extend the 5-section measuring staff to its full length (up to 5 meters / 16.4 feet).
2. Ensure all sections are securely locked in place to maintain rigidity.
3. The staff features a dual-sided scale for both rough and accurate measurements.

Figure 4.2: The 5-section measuring staff, demonstrating its full extension and stability compared to other designs.

4.4 Powering On and Self-Leveling

1. Insert the batteries into the laser level unit according to the polarity markings.
2. Turn on the laser level. The device will automatically begin its self-leveling process.
3. The self-leveling range is approximately ±5°. If the device is outside this range, it may emit an alarm or the laser beam may flash, indicating it cannot self-level. Adjust the tripod or the unit's position until it levels successfully.

Figure 4.3: Diagram illustrating the automatic self-leveling function of the laser level within a ±5° range.

5. Operating Instructions

5.1 360-Degree Rotation

Once self-leveled, the laser level emits a continuous 360-degree green laser line, providing a clear and stable reference across the entire workspace. This is ideal for establishing horizontal or vertical planes.

Figure 5.1: Illustration of the 360-degree rotary scanning capability, projecting clear and bright laser lines.

5.2 Using the Laser Receiver and Remote Control

- For outdoor applications or when the laser line is difficult to see, use the laser receiver to detect the beam.
- The remote control allows for convenient operation of the laser level from a distance, adjusting rotation speed or switching modes without disturbing the setup.

5.3 Outdoor Measurement

The kit is suitable for outdoor use with a working distance of up to 500 meters in diameter when used with the receiver. Always wear the provided laser glasses to enhance visibility and protect your eyes, especially in bright sunlight.

Figure 5.2: The VEVOR rotary laser level in an outdoor construction setting, demonstrating its 500-meter working distance capability.

6. Maintenance

6.1 Cleaning

Regularly clean the laser level, tripod, and measuring staff. Use a soft, dry cloth to wipe down surfaces. For the laser lens, use a lens cleaning cloth to avoid scratches. Do not use abrasive cleaners or solvents.

6.2 Storage

When not in use, store the entire kit in its hard carrying case in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period.

6.3 Battery Care

Ensure batteries are correctly inserted. Replace batteries when the low battery indicator appears. Dispose of used batteries responsibly according to local regulations.

7. Troubleshooting

- **Laser not turning on:** Check battery installation and charge level. Ensure the power switch is in the 'ON' position.
- **Laser flashing or alarming:** The device is likely outside its self-leveling range. Adjust the tripod or unit position to bring it within ±5° of level.
- **Laser line not visible outdoors:** Use the laser receiver to detect the beam. Ensure laser glasses are worn for improved visibility and eye protection.
- **Inaccurate measurements:** Verify that the laser level is properly self-leveled. Ensure the measuring staff is fully extended and stable. Check for any obstructions or vibrations affecting the setup.

8. Specifications

Feature	Specification
Brand	VEVOR
Model Number	Láser Verde
Material	Aluminum, Plastic
Operating Mode	Automatic
Self-Leveling Range	±5°
Tripod Height (Adjustable)	1.04m - 1.65m (3.41 ft - 5.41 ft)
Measuring Staff Length	Up to 5m (16.4 ft)
Working Distance (with receiver)	Up to 500m diameter

9. Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact VEVOR customer service directly. Keep your purchase receipt as proof of purchase. The product typically includes a return policy of 15 days from the date of purchase.