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TOTAL TLL156601

TOTAL TLL156601 Self-Leveling Line Laser Instruction Manual

Model: TLL156601 | Brand: TOTAL

Introduction

The TOTAL TLL156601 Self-Leveling Line Laser is a high-precision measuring tool designed for accurate horizontal and vertical alignment. It features self-leveling technology, ensuring automatic adjustments for precise laser projection. This tool is ideal for various tasks including construction, tiling, framing, and interior design. Its bright red laser lines offer excellent visibility, even in well-lit environments, and the durable casing provides protection for demanding job site conditions. With an extended working range and user-friendly operation, the TLL156601 is suitable for both professionals and DIY enthusiasts requiring reliable and efficient leveling solutions.

Safety Information

Please read and understand all safety instructions before operating this device. Failure to follow these instructions may result in serious injury.

- **Laser Radiation:** This product emits laser radiation. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Class II Laser Product:** The laser output is less than 1mW.
- **Operating Environment:** Use the device in a well-lit area. Avoid using it in explosive atmospheres or in the presence of flammable liquids, gases, or dust.
- **Children and Bystanders:** Keep children and other unauthorized persons away from the operating area.
- **Storage:** Store the device in a dry, secure place out of reach of children.
- **Maintenance:** Do not attempt to modify or repair the device yourself. Refer all servicing to qualified personnel.

Package Contents

Verify that all items listed below are included in your package:

- 1 x TOTAL TLL156601 Self-Leveling Line Laser
- 1 x Mounting Bracket
- 3 x AA Batteries (Included)
- 1 x Carrying Case
- 1 x User Manual (this document)

Product Overview

Familiarize yourself with the components of your TOTAL TLL156601 Self-Leveling Line Laser.



Image: The TOTAL TLL156601 Self-Leveling Line Laser, its carrying case, a mounting bracket, and three AA batteries. The laser projects two lines (horizontal and vertical) and has a working range of 0-35m. The main unit is teal with a red ON/OFF switch.

1. **Laser Emitter Window:** Projects horizontal and vertical laser lines.
2. **ON/OFF Switch:** Activates and deactivates the device, and locks the pendulum for transport.
3. **Battery Compartment:** Holds the AA batteries.
4. **Mounting Thread:** For attaching to a tripod or the included mounting bracket.
5. **Self-Leveling Indicator:** Visual (e.g., flashing lines) or audible signal indicating leveling status.

Setup

1. **Install Batteries:**

- Locate the battery compartment cover on the device.
- Open the cover and insert three AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
- Close the battery compartment cover securely.

2. **Mounting the Device:**
   - For stable operation, place the laser on a flat, stable surface.
   - Alternatively, attach it to a tripod (not included) using the 1/4" mounting thread located at the bottom of the device.
   - The included mounting bracket can be used to secure the laser to a wall or other suitable vertical surface. Ensure the bracket is firmly attached before placing the laser onto it.
3. **Power On:** Slide the ON/OFF switch to the "ON" position. The laser lines will activate and begin the self-leveling process.

Operating Instructions

1. **Self-Leveling Mode:**
   - When the device is switched ON, it will automatically enter self-leveling mode.
   - Place the laser on a relatively level surface. The internal pendulum system will self-level within a few seconds.
   - If the device is outside its self-leveling range (typically ±4°), the laser lines will flash rapidly or an audible alarm may sound, indicating that the device needs to be repositioned on a more level surface.
   - Once leveled, the laser lines will become steady, providing accurate horizontal and vertical reference points.
2. **Projecting Laser Lines:**
   - The TLL156601 projects two bright red laser lines: one horizontal and one vertical, forming a cross.
   - These lines are visible up to a range of 35 meters, depending on ambient light conditions.
3. **Manual Mode (Locked Pendulum):**
   To project tilted lines for applications like stair railings, you can typically activate a manual mode. This usually involves sliding the ON/OFF switch to an intermediate position or holding it down for a few seconds while the device is off, then turning it on. In manual mode, the self-leveling function is deactivated, and the laser lines can be projected at any angle. The lines may flash slowly to indicate manual mode. Refer to the specific markings on your device for manual mode activation.
4. **Power Off:** Slide the ON/OFF switch to the "OFF" position when finished using the device. This action also locks the pendulum, protecting it during transport and storage.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Clean the laser emitter window carefully to ensure clear projection.
- **Storage:** When not in use, store the laser level in its carrying case in a dry, cool place. Remove batteries if the device will not be used for an extended period to prevent leakage and corrosion.
- **Calibration:** While the device is self-leveling, periodic checks against a known level reference are recommended to ensure continued accuracy. If significant discrepancies are found, contact customer support for calibration services.

Troubleshooting

Problem	Possible Cause	Solution
Laser lines are flashing or device is beeping.	Device is outside its self-leveling range (e.g., tilted too much).	Reposition the laser on a more level surface until the lines become steady.
No laser lines or dim lines.	Low batteries, incorrect battery installation, or device is OFF.	Check battery polarity, replace batteries with fresh ones if necessary. Ensure the ON/OFF switch is in the "ON" position.
Inaccurate measurements.	Device not properly leveled (if in self-leveling mode) or out of calibration.	Ensure the device is within its self-leveling range. If issues persist, perform a calibration check or contact support.
Device does not turn on.	No batteries, dead batteries, or ON/OFF switch is in the "OFF" position.	Install fresh batteries, check the switch position.

Specifications

Feature	Detail
Manufacturer	TOTAL
Item Model Number	TLL156601
Part Number	15331
Item Weight	870 g
Shipping Dimensions	16 x 15.7 x 8.8 cm
Color	Green
Style	Modern
Material	Metal
Power Source Type	Battery Powered
Batteries Required	Yes, 3 AA batteries
Batteries Included	Yes
Battery Cell Type	Lithium Ion (Note: The product image and other specifications indicate AA batteries.)
Included Components	1 x TOTAL TLL156601 Self-Leveling Line Laser
Operation Mode	Automatic
First Available Date	February 20, 2025
Country of Origin	China

Warranty and Support

TOTAL products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official TOTAL website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact TOTAL customer service through their official channels.

You can find more information and contact details by visiting theTOTAL Brand Store.

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