



[Manuals.plus](#) /

- › [PERFECT MEASURING TAPE](#) /
- › PERFECT MEASURING TAPE RL-02 Instruction Manual

PERFECT MEASURING TAPE RL-02

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Model: RL-02 | Brand: PERFECT MEASURING TAPE

1. INTRODUCTION AND PRODUCT OVERVIEW

The PERFECT MEASURING TAPE Model RL-02 is a specialized 25ft/7.5m tape measure designed for enhanced usability, particularly for left-handed individuals or those who prefer right-to-left measurement reading. Its unique design ensures that graduations read correctly from right-to-left, eliminating the need to read numbers upside down. This tool is ideal for various applications, including woodworking, construction, and general DIY projects, offering precision and ease of use.



Figure 1.1: The PERFECT MEASURING TAPE RL-02, showcasing its compact design and the tape extended for measurement.

Key Features:

- **Right-to-Left Read:** Graduations are oriented for easy reading when measuring from right to left, preventing upside-down number viewing.
- **Dual Measurement Scale:** Features both imperial (feet/inches with 1/16 fractions) and metric (millimeters) scales for versatile use.
- **Durable Construction:** Housed in an ABS high-impact, high-visibility orange plastic case, designed for heavy-duty use and drop resistance.
- **Lock Button:** A convenient lock button provides control over the tape extension and retraction, securing measurements.
- **Left-Handed Belt Clip:** Designed to be holstered on the left side of the body for quick, easy access for left-handed users.
- **EC Class II Accuracy:** Ensures reliable and precise measurements.

2. SETUP AND INITIAL INSPECTION

The RL-02 tape measure requires minimal setup. Upon receiving your tape measure, perform the following steps:

1. **Unboxing:** Carefully remove the tape measure from its packaging.
2. **Visual Inspection:** Examine the tape measure for any signs of damage during shipping. Check the case, the tape blade, and the end hook for integrity.
3. **Functionality Check:**
 - Extend the tape blade fully and ensure it retracts smoothly without sticking.
 - Test the lock button by extending the tape and engaging the lock. Verify that the tape remains securely in place.
 - Confirm that the numbers on the tape blade are clearly visible and oriented for right-to-left reading.



Figure 2.1: The RL-02 tape measure in its original packaging, ready for unboxing.

3. OPERATING INSTRUCTIONS

The RL-02 tape measure is designed for intuitive use, especially for right-to-left measurements. Follow these guidelines for accurate readings:

3.1. Understanding the Right-to-Left Read

Unlike traditional tape measures, the RL-02's numbers increase from right to left. This orientation is particularly beneficial for left-handed users who pull the tape with their left hand and mark with their right, or for any user measuring from a right-hand starting point.



Figure 3.1: Illustration of the right-to-left measurement scale, showing numbers increasing from right to left, along with the dual imperial and metric scales.

3.2. Taking Measurements

- **Outside Measurements:** For measuring the outside dimension of an object, hook the end of the tape measure onto the edge of the object. Extend the tape to the desired point and read the measurement. The end hook is designed to compensate for its thickness, ensuring accuracy.
- **Inside Measurements:** For measuring inside dimensions (e.g., inside a window frame), push the end hook against one wall. Extend the tape to the opposite wall. Read the measurement directly from the tape blade where it meets the wall. The case of the tape measure is designed to be added to the reading for accurate inside measurements.



Figure 3.2: Demonstrates how to perform both outside and inside measurements using the tape measure, highlighting the correct placement of the end hook and tape case.

3.3. Using the Lock Button

The black button located on the top of the tape measure case is the lock mechanism. To lock the tape blade in place, extend the tape to your desired length and slide the button forward until it clicks or holds the tape firmly. To release, slide the button backward.

LOCK BUTTON



Figure 3.3: A detailed view of the lock button, indicating its position and function for securing the tape blade.

3.4. Utilizing the Belt Clip

The RL-02 features a belt clip designed for left-handed users, allowing the tape measure to be conveniently holstered on the left side of the body for quick access. This ensures the tape measure is always within reach during tasks.



EASY-TO-USE LEFT HANDED BELT CLIP

Figure 3.4: The tape measure attached to a belt, demonstrating the ergonomic placement of the left-handed belt clip for easy access.

4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and accuracy of your PERFECT MEASURING TAPE RL-02. Follow these simple care instructions:

- **Cleaning:** Wipe the tape blade and case with a clean, dry cloth after each use to remove dust, dirt, or debris. For stubborn grime, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.
- **Storage:** Store the tape measure in a dry environment, away from extreme temperatures and direct sunlight. Ensure the tape blade is fully retracted before storage to protect it from damage.
- **Avoid Impact:** While the case is designed to be drop-proof, repeated severe impacts can affect the internal mechanism or accuracy. Handle with care.
- **Inspect Regularly:** Periodically check the tape blade for kinks, tears, or wear that could affect measurement accuracy. Ensure the end hook is not bent or damaged.

HEAVY DUTY & DROP PROOF



Figure 4.1: The robust construction of the tape measure, highlighting its heavy-duty and drop-proof design, which benefits from proper care.

5. TROUBLESHOOTING

If you encounter any issues with your RL-02 tape measure, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------------------------------|--|--|
| Tape does not retract smoothly. | Dirt or debris inside the case; kinked tape blade. | Gently pull out the entire tape blade and wipe it clean. Inspect for kinks. If a kink is present, try to straighten it carefully. If the issue persists, the internal spring mechanism may be damaged. |

| Problem | Possible Cause | Solution |
|-------------------------------------|--|---|
| Lock button does not hold the tape. | Debris obstructing the lock mechanism; worn lock component. | Ensure the lock button area is clean. Try engaging and disengaging the lock several times. If it remains loose, the internal locking mechanism may be worn. |
| End hook is loose or bent. | Impact or excessive force. | A slightly loose end hook is normal for accurate inside/outside measurements. If it's excessively loose or bent, it can affect accuracy. Attempt to gently straighten a bent hook. If severely damaged, replacement may be necessary (contact support). |
| Measurements seem inaccurate. | Damaged end hook; tape blade wear; improper reading technique. | Verify the end hook is not bent. Ensure you are reading the correct scale (imperial or metric) and understanding the right-to-left orientation. Compare with a known accurate measurement. |

6. SPECIFICATIONS

| Feature | Detail |
|----------------------|---------------------------------------|
| Model Number | RL-02 |
| Brand | PERFECT MEASURING TAPE |
| Measurement Length | 25 ft / 7.5 m |
| Measurement Read | Right-to-Left |
| Measurement Accuracy | EC Class II (Plus or minus 1/16 inch) |
| Case Material | ABS High-Impact Plastic |
| Color | Hi-Visibility Orange |
| Product Dimensions | 6 x 4.5 x 1.5 inches |
| Item Weight | 12.64 ounces (0.79 Pounds) |
| Manufacturer | Perfect Measuring Tape Company |



Figure 6.1: Visual representation of the tape measure's dimensions and weight.

7. WARRANTY AND SUPPORT

PERFECT MEASURING TAPE is committed to customer satisfaction and product quality.

7.1. Return Policy

If you are not satisfied with the quality of your product, returns are accepted within 30 days of purchase. To discuss any issue or request a refund, please contact the seller directly via the Amazon Messaging Service.

7.2. Manufacturer Support

For further assistance, technical inquiries, or warranty claims beyond the return period, please contact the manufacturer, Perfect Measuring Tape Company. Refer to their official website or contact information provided with your purchase for direct support.

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