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› Laser Labs Enforcer II Tint Meter TM1000 User Manual

Laser Labs TM1000

Laser Labs Enforcer II Tint Meter TM1000 User Manual

Model: TM1000 | Brand: Laser Labs

1. INTRODUCTION

This manual provides comprehensive instructions for the proper use and maintenance of your Laser Labs Enforcer II Tint Meter, model TM1000. The Enforcer II is a portable device designed to accurately measure the Visible Light Transmission (VLT) of automotive window tint. It is engineered for ease of use and reliable performance.

2. SAFETY INFORMATION

- Do not attempt to disassemble or modify the device. This may void the warranty and cause damage.
- Keep the device away from extreme temperatures, direct sunlight, and excessive moisture.
- Handle the device with care to prevent drops or impacts that could affect its accuracy.
- Ensure the battery is inserted correctly according to polarity markings.
- Dispose of used batteries responsibly according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Laser Labs Enforcer II Tint Meter (TM1000)
- Protective Carrying Case
- User Manual
- Reference Test Samples (for accuracy verification)
- CR2032 3V Coin Cell Battery



Image: The Enforcer II Tint Meter shown with its protective carrying case, user manual, and reference test samples.

4. PRODUCT OVERVIEW

The Enforcer II Tint Meter consists of two main components: a transmitter and a receiver. These components are designed to slide over a window, allowing the device to measure the percentage of visible light that passes through the glass. The measurement is displayed on the integrated LCD screen.

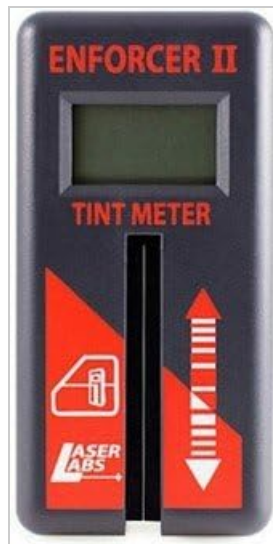


Image: Front view of the Enforcer II Tint Meter, highlighting the LCD display and the slot for window insertion.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the device.
2. Open the compartment cover.
3. Insert the included CR2032 3V coin cell battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

The device is now ready for operation.

6. OPERATING INSTRUCTIONS

To obtain an accurate reading, follow these steps:

1. Ensure the window surface is clean and free of dirt or moisture.

2. Gently slide the two halves of the tint meter over the edge of the window glass. The device will automatically power on.
3. Position the meter so that the light path is unobstructed by window frames or seals.
4. Read the Visible Light Transmission (VLT) percentage displayed on the LCD screen.
5. Remove the meter from the window. The device will automatically power off after a short period of inactivity.

Important Note: This device is designed for use on roll-down windows where the glass edge is accessible. It cannot be used to measure tint on windshields or rear windows that do not allow the meter to slide over the glass.



Image: A hand demonstrating the use of the Enforcer II Tint Meter by sliding it onto a car window to take a measurement.

7. ACCURACY VERIFICATION

The Enforcer II Tint Meter comes with reference test samples to verify its accuracy. To perform a check:

1. Use the provided tinted test samples. Each sample has a known VLT percentage printed on it.
2. Slide the meter over a test sample as you would with a window.
3. Compare the reading on the meter's display with the VLT percentage printed on the sample. The reading should be within the device's specified accuracy range (typically $\pm 2\%$).

Regular verification ensures the continued reliability of your measurements.

8. MAINTENANCE

8.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the optical sensors are clean for accurate readings.

8.2 Storage

Store the Enforcer II Tint Meter in its protective carrying case when not in use. Keep it in a cool, dry place, away from direct sunlight and extreme temperatures.

8.3 Water Resistance

The device has an International Protection Rating of IP54, meaning it is protected from dust ingress and splashing water from any direction. It is water resistant, but not waterproof. Avoid submerging the device in water.

9. TROUBLESHOOTING

- **No Display/Device Not Turning On:** Check the battery. Ensure it is correctly installed and has sufficient charge. Replace if necessary.
- **Inaccurate Readings:** Ensure the window surface is clean. Dirt or moisture can significantly affect VLT measurements. Verify accuracy using the provided test samples.
- **Error Codes:** If an error code appears, try removing and reinserting the battery to reset the device. If the issue persists, contact customer support.
- **Device Not Sliding Smoothly:** Ensure there are no obstructions on the window edge or within the meter's slot.

10. SPECIFICATIONS

Brand	Laser Labs
Model Number	TM1000
Item Weight	2 Ounces
Product Dimensions	3.75"L x 1"W x 1.75"H
Battery Type	CR2032 3V Coin Cell Battery (Included)
Water Resistance Level	Water Resistant (IP54)
UPC	728795363048

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Laser Labs Enforcer II Tint Meter (TM1000) comes with a **1-year warranty** on materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

11.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Laser Labs Inc. customer support. Refer to the contact information provided with your product packaging or visit the official Laser Labs website.