



LED TESTER UNI-T UT659

The **UNI-T UT659** is a specialized LED tester designed for quickly and efficiently testing Light Emitting Diodes (LEDs). Here are some key features and details about the device:

Key Features:

1. **LED Testing:**
 - Can test single-color, bi-color, and tri-color LEDs.
 - Identifies the anode and cathode of the LED.
 - Displays the forward voltage drop (V_f) of the LED.
2. **Voltage and Polarity Detection:**
 - Automatically detects the polarity of the LED.
 - Measures the forward voltage (typically between 1.8V and 4.5V for most LEDs).
3. **Compact and Portable:**
 - Lightweight and easy to carry, making it ideal for fieldwork or bench use.
4. **Simple Operation:**
 - Plug the LED into the tester, and it automatically displays the results.
 - No external power source required; it is powered by a built-in battery.
5. **Wide Compatibility:**
 - Works with a variety of LED types, including SMD LEDs and through-hole LEDs.
6. **LCD Display:**
 - Clear and easy-to-read display for showing test results.

How to Use:

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1. Insert the LED into the testing slots (ensure the pins are correctly aligned).
2. The tester will automatically detect the polarity and display the forward voltage (V_f).
3. If the LED is functional, it will light up, and the tester will show the voltage drop.

Applications:

- Ideal for electronics repair, LED manufacturing, and hobbyist projects.
- Useful for quickly verifying the functionality of LEDs before installation.

Specifications:

- **Forward Voltage Measurement Range:** 1.8V to 4.5V.
- **Power Supply:** Built-in battery (typically a CR2032 coin cell).
- **Dimensions:** Compact and handheld design.
- **Weight:** Lightweight for portability.

