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> JASTIND Heavy Duty 3-65V Backlit Digital LCD Circuit Tester User Manual

## JASTIND 13

# JASTIND Heavy Duty 3-65V Backlit Digital LCD Circuit Tester User Manual

Brand: JASTIND | Model: 13



## 1. PRODUCT OVERVIEW

The JASTIND Heavy Duty Digital LCD Circuit Tester is designed for comprehensive electrical circuit testing across various vehicles. It features a wide testing range of 3-65V DC, making it suitable for automotive headlights, taillights, faulty sockets, fuses, and other wiring systems. The tester provides accurate voltage readings with a clear, backlit LCD digital display, ensuring visibility in both day and night conditions. Its computer-safe design draws minimal current, protecting sensitive circuits. Constructed with a premium acetate fiber body, it offers enhanced toughness and durability. The sharp stainless steel probe allows for effortless wire

piercing, while an insulation protective rubber tip guards against electric shock. An extended 140-inch PU spring wire provides flexibility and durability, complemented by a large alligator clip for easy, one-handed operation.



Figure 1: JASTIND Heavy Duty 3-65V Backlit Digital LCD Circuit Tester.

## 2. SETUP AND COMPONENTS

Before using the circuit tester, familiarize yourself with its components and ensure proper setup.

- **Tester Body:** Contains the digital LCD display and probe.
- **Stainless Steel Probe:** The sharp tip used for testing. It comes with a protective jacket.
- **PU Spring Wire:** An extended 140-inch coiled wire for flexible reach.
- **Large Alligator Clip:** Used to establish a ground or positive connection.

### 2.1 Preparing the Tester

1. **Remove Protective Jacket:** Carefully remove the insulation protective rubber tip from the sharp stainless steel probe before use. Re-attach it when not in use to prevent injury and protect the probe from damage.

2. **Connect Alligator Clip:** The alligator clip is designed for secure connection. To expose the copper jaws, push the red wire into the black boot of the clip. This allows the jaws to open fully for a firm grip on battery terminals or ground points.

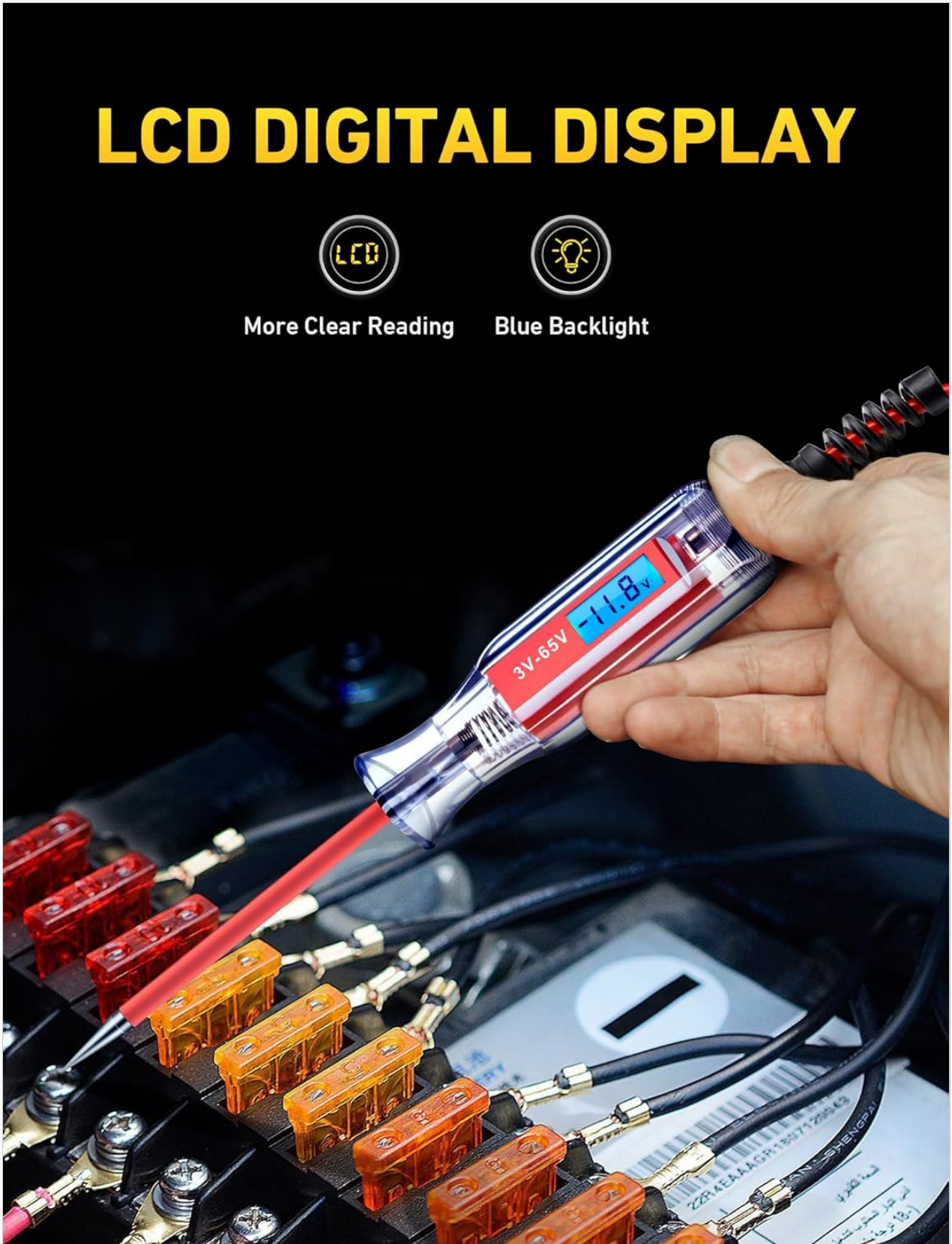


Figure 2: Clear LCD Digital Display for easy reading.



# Backlight Display

Digital LCD Display with Blue Backlight



Figure 3: Backlight display for visibility in dim light.

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Video 1: Official product video demonstrating the Heavy Duty 3-65V Backlit Digital LCD Circuit Tester's features and usage.

## 3. OPERATING INSTRUCTIONS

The circuit tester is designed for ease of use and accurate readings in various electrical testing scenarios.

### 3.1 Connecting the Tester

1. **Establish Connection:** Attach the large alligator clip to either a ground point (negative terminal of the battery or chassis) or a positive point (positive terminal of the battery or a known live circuit). The tester is bidirectional, meaning it can test voltage polarity regardless of the clip's connection point.
2. **Voltage Polarity Indication:** The LCD display will show a '+' sign for positive voltage and a '-' sign for negative voltage, indicating the polarity of the circuit being tested relative to the alligator clip's connection.

## 3.2 Performing Tests

- **Voltage Testing:** Touch the sharp stainless steel probe to the circuit or component you wish to test. The LCD display will immediately show the voltage reading.
- **Wide Testing Range:** The tester supports DC voltages from 3V to 65V.
  - **0-3V:** Display will be blank.
  - **3-65V:** Normal voltage display.
  - **65V~:** Display will show 'OL' (Over Limit).
- **Backlight Feature:** The LCD display has a blue backlight, ensuring clear digital readouts even in dim lighting conditions or at night.
- **Computer Safe:** The tester draws very low current, making it safe for use on sensitive electronic circuits without causing damage.

# WIDE TESTING RANGE



3-65V



Accurate

0-3 V

BLANK

3-65 V

NORMAL DISPLAY

65- ~ V

DISPLAY 'OL'



Figure 4: Illustration of the wide 3-65V testing range and display indications.

# BIDIRECTIONAL TESTING



Figure 5: Demonstrating bidirectional testing for positive and negative polarity.



*Figure 6: Example of testing a car battery's voltage.*

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*Video 2: Demonstration of the JASTIND Heavy Duty 3-48V Backlit Digital LCD Circuit Tester in action, showing various testing scenarios.*

## 4. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your JASTIND Circuit Tester.

- **Probe Protection:** Always re-attach the insulation protective rubber tip to the sharp stainless steel probe when not in use. This prevents accidental injury and protects the probe from damage.
- **Wire Care:** The extended PU spring wire is designed for durability. Avoid excessive pulling or sharp bends that could damage the internal wiring. The plastic casing at the base of the probe helps prevent wire breakage.
- **Cleaning:** Wipe the tester body and probe with a clean, dry cloth after each use to remove dirt, grease, or moisture. Do not use abrasive cleaners or solvents.

- **Storage:** Store the tester in a dry, cool place, away from direct sunlight and extreme temperatures.

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*Video 3: A short demonstration highlighting the convenient plastic casing designed to prevent wire breakage.*

## 5. TROUBLESHOOTING

If you encounter issues with your JASTIND Circuit Tester, consider the following common solutions:

- **No Display/Blank Screen:** Ensure the alligator clip has a secure connection to a power source (battery terminal or chassis). Verify the voltage of the circuit being tested is within the 3-65V DC range; voltages below 3V will result in a blank display.
- **'OL' Display:** This indicates the voltage being tested exceeds 65V DC. The tester is not designed for voltages above this limit.
- **Inaccurate Readings:** Check that the probe is making good contact with the circuit. Ensure the alligator clip has a clean and secure connection.
- **Intermittent Display:** Inspect the wire for any visible damage or kinks. Ensure the connections at both the probe and alligator clip ends are secure.

For persistent issues, please refer to the warranty and support information.

## 6. SPECIFICATIONS

Feature	Specification
Brand	JASTIND
Model Number	13
Testing Range	3-65V DC
Display Type	Backlit Digital LCD
Probe Material	Sharp Stainless Steel
Wire Length	140 inches (PU Spring Wire)
Body Material	Premium Acetate Fiber
Power Source	Battery Powered
Item Weight	140 Grams (approx. 4.94 ounces)
Color	Blue, Clear
Package Dimensions	10.91 x 2.68 x 1.69 inches

## 7. WARRANTY AND SUPPORT

JASTIND is committed to providing quality products and customer satisfaction. This product comes with **Long Time Quality Support**. Our after-sales service team is available to provide **7/24 mail service** for any questions or concerns you may have regarding your circuit tester.

- **Manufacturer:** JASTIND
- **Support Contact:** Please refer to the product packaging or the official JASTIND website for specific contact information.

