

AWBLIN Automotive Test Light+Power Circuit Probe Tester

AWBLIN Automotive Test Light 3-60V DC Digital LED Circuit Tester

Model: Automotive Test Light + Power Circuit Probe Tester

INTRODUCTION

Thank you for choosing the AWBLIN Automotive Test Light. This digital LED circuit tester is designed for efficient and safe electrical system diagnostics in various vehicles. It features a wide voltage range, bidirectional testing capabilities, and a robust design for reliable performance. Please read this manual thoroughly before use to ensure proper operation and safety.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including safety glasses, when working with electrical systems.
- Ensure the vehicle's ignition is off and the battery is disconnected if performing extensive work.
- Do not use the tester on voltages exceeding its specified range of 3-60V DC.
- Avoid contact with live electrical components.
- Keep the tester clean and dry. Do not expose it to moisture or extreme temperatures.
- The built-in circuit board chip is designed to be computer safe, preventing damage to vehicle electronics. However, always exercise caution.
- The needle guard protection helps prevent accidental stabs. Always re-engage the guard when not in use.

PRODUCT OVERVIEW AND FEATURES

The AWBLIN Automotive Test Light is a versatile tool for diagnosing electrical issues. Key features include:

- **Bidirectional Voltage Testing:** Detects both positive and negative polarity with distinct LED indicators (red for positive, green for negative).
- **Wide Voltage Range:** Measures 3-60V DC, suitable for various automotive and other DC wiring and circuits.
- **Digital LED Display:** Provides clear and accurate voltage readings.

- **Computer Safe Design:** Integrated circuit board chip protects vehicle computer systems from damage.
- **Anti-Lost Needle Guard:** Ensures safety and prevents loss of the probe tip cover.
- **Flexible Spring Wire:** Extends up to 102 inches for extended reach, with an anti-bending design for durability.
- **Multifunctional:** Capable of testing circuit polarity, voltage, connection, breaks, lighting, ignition plugs, sensors, grounding, continuity, and component activation.



LED Digital Display



Accurate Voltage



Computer Safe



**FASTER & MORE
ACCURATE READINGS**

Image: The AWBLIN Automotive Test Light features an LED digital display for accurate voltage readings and a computer-safe internal circuit board.

MULTIFUNCTIONAL AUTOMOTIVE CIRCUIT TESTER



Image: The AWBLIN tester's multifunctional capabilities, including polarity, current, DC voltage, relay, short & open circuit, grounding, continuity, and component activation tests.

SETUP

1. **Unpack:** Carefully remove the AWBLIN Automotive Test Light from its packaging.
2. **Inspect:** Check the tester for any visible damage. Do not use if damaged.
3. **Prepare for Use:** Remove the needle guard from the probe tip. Ensure the spring wire is free from tangles.
4. **Connect Power:** The tester is powered by the circuit it is testing. Connect the alligator clamp to a suitable ground or positive terminal depending on the test.

OPERATING INSTRUCTIONS

1. Bidirectional Voltage Testing

This tester can identify both positive and negative polarity in a circuit.

- **For Positive Polarity:** Attach the alligator clamp to a known negative ground point. Connect the probe to the circuit point you wish to test. A **red light** on the tester indicates a positive voltage.
- **For Negative Polarity (Ground):** Attach the alligator clamp to a known positive power source. Connect the probe to the circuit point you wish to test. A **green light** on the tester indicates a negative voltage or ground.

BIDIRECTIONAL DETECTION

– Green Light For Negative & Ground

Attach the alligator clamp to the Positive and connect the probe to the Ground(Negative).

+ Red Light For Positive

Attach the alligator clamp to the Ground and connect the probe to the Positive.

Image: Bidirectional detection in action. The tester illuminates red for positive voltage and green for negative or ground, with corresponding instructions.

POLARITY DETECTION

The red clip connects to the positive polarity of the battery and the big black clip connects to the negative polarity of the battery



Image: Detailed polarity detection. The red clip connects to the positive battery terminal, and the black clip to the negative. Red light indicates positive, green light with a buzzer indicates negative.

2. Over-Range Warning

The tester is designed for a voltage range of 3-60V DC. If the measured voltage exceeds 60V, the LED screen will display "oL" (Over Limit), and both the red and green lights will flash as a warning.

OVER-RANGE WARNING



Voltage Range :3-60V



When the voltage exceeds 60V



LED screen shows "oL"



Red & Green lights flashing

Image: Over-range warning. The digital display shows "oL" and both red and green LEDs flash when the detected voltage exceeds 60V DC.

3. Various Test Applications

The AWBLIN Test Light can be used for a variety of diagnostic tasks:

- **Fuse Test:** Probe fuse terminals to check for power.
- **Polarity Test:** Determine positive or negative voltage at a point.
- **Circuit Test:** Check for voltage presence in a circuit.
- **Continuity Test:** Use the small black grounded crocodile clip to hold one end of the wire, and the probe contact to the other end of the measured wire.
- **Component Activation:** Quickly test the status of components before installation or when they are online.

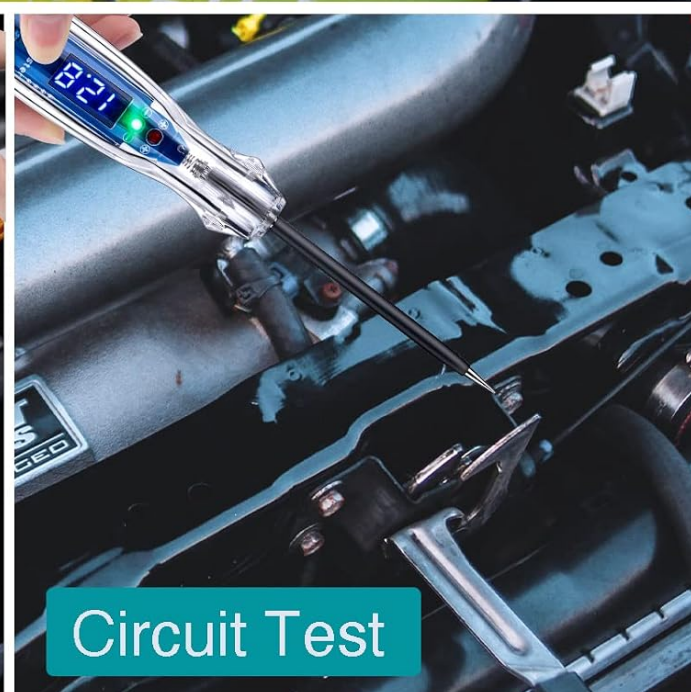
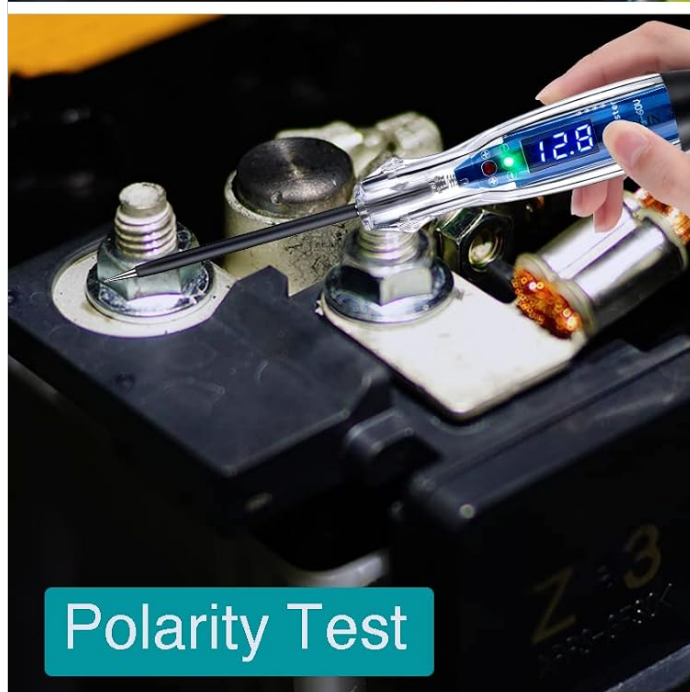
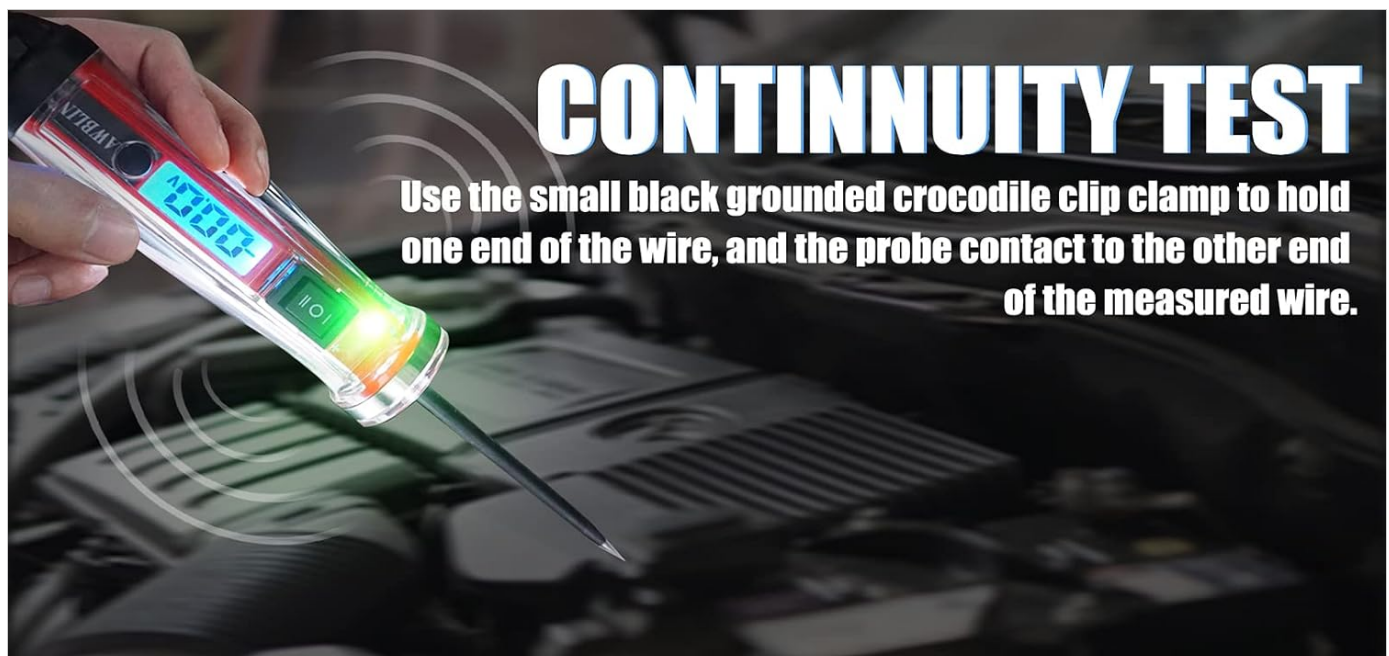


Image: Examples of common tests: Fuse Test, Polarity Test, and Circuit Test using the AWBLIN Automotive Test Light.



CONTINUITY TEST

Use the small black grounded crocodile clip clamp to hold one end of the wire, and the probe contact to the other end of the measured wire.



COMPONENT ACTIVATION

Quickly test the status of components before installation or when they are online

Image: Demonstrations of Continuity Test and Component Activation using the AWBLIN Automotive Test Light.

4. Working Modes (Power Circuit Probe Tester)

The power circuit probe tester offers two main working modes:

- **Current Mode:** Measures current in the range of DC 0-8A.
- **Voltage Mode:** Measures probe test voltage from 1-60V DC, with a two-clip supply voltage of 5-36V DC.

Overload Protection: If the current exceeds 8A, the tester will automatically disconnect to protect the circuit and prevent damage.

2 WORKING MODE

CURRENT MODE

+0.15_A

Probe Test Current: DC 0-8A

VOLTAGE MODE

+12.3_v

Two Clip Supply Voltage: 5-36VDC
Probe Test Voltage: 1-60VDC



Overload Protection: When the current exceeds 8A, the tester will automatically disconnect to protect the circuit to reduce unnecessary losses.

Image: The AWBLIN Power Circuit Probe Tester displaying its two working modes: Current Mode (DC 0-8A) and Voltage Mode (1-60VDC probe test, 5-36VDC supply).

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/No lights	No power to the circuit; Poor connection; Voltage outside 3-60V DC range.	Ensure the circuit has power. Check connections of the alligator clamp and probe. Verify voltage is within the specified range.
"oL" displayed / Flashing lights	Voltage exceeds 60V DC.	Do not use the tester on circuits exceeding 60V DC. This indicates an over-range condition.
Inaccurate readings	Poor connection; Dirty probe tip; Interference.	Ensure firm connections. Clean the probe tip. Test in a clear environment.

Problem	Possible Cause	Solution
Overload protection activated (Power Circuit Probe Tester)	Current exceeds 8A.	Reduce the load or test a different circuit. The tester automatically disconnects to prevent damage.

SPECIFICATIONS

- **Model:** Automotive Test Light + Power Circuit Probe Tester
- **Voltage Range:** 3-60V DC
- **Current Range (Power Circuit Probe Tester):** 0-8A DC
- **Display:** Digital LED
- **Polarity Indication:** Red LED (Positive), Green LED (Negative/Ground)
- **Cable Length:** Spring wire extends up to 102 inches
- **Safety Features:** Computer Safe, Anti-Lost Needle Guard, Overload Protection (8A)

MAINTENANCE

- **Cleaning:** Wipe the tester with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures. Always replace the needle guard when storing.
- **Inspection:** Periodically inspect the cable and connections for any signs of wear or damage. Replace the unit if damage is found.

WARRANTY AND SUPPORT

AWBLIN products are designed for reliability and performance. For warranty information or technical support, please refer to the contact information provided with your purchase or visit the official AWBLIN website. Please have your product model number (Automotive Test Light + Power Circuit Probe Tester) and purchase details ready when contacting support. Official AWBLIN Store: [AWBLIN Store on Amazon](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question