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Aramox B07P7H4L6Y

Aramox 2-14.8V Car Battery Tester Instruction Manual

Model: B07P7H4L6Y

1. Introduction

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Aramox 2-14.8V Car Battery Tester. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage.
The Aramox Car Battery Tester is designed to quickly and accurately assess the condition of 12V automotive batteries and their charging systems. It is suitable for use with 12V storage batteries found in battery cars, motorcycles, carts, and family cars. It is not intended for use with 24V storage batteries.

2. Safety Information

- Always wear appropriate eye protection when working with batteries.
- Ensure good ventilation in the work area to disperse any battery gases.
- Avoid contact with battery acid. If contact occurs, flush immediately with water and seek medical attention.
- Do not use the tester on batteries with visible damage or leaks.
- The tester is designed with polarity reverse connection protection, meaning reverse connection will not damage the tester or affect the vehicle and battery. However, always strive for correct connection.
- Keep the device away from children.

3. Package Contents

Upon opening the package, please verify that all items are present and undamaged:

- 1 x Aramox 2-14.8V Car Battery Tester



Figure 1: The Aramox Car Battery Tester. This image shows the main unit with its integrated red and black test leads, terminating in a red probe and a black alligator clip, respectively.

4. Specifications

Feature	Specification
Material	Plastic
Voltage Measurement Range	2-14.8V
Dimensions (L x W)	12 cm x 4.5 cm (4.7 in x 1.8 in)
Cable Length	68 cm (26.8 in)
Item Weight	Approx. 113g (4.0oz) / 0.1 Kilograms

Feature	Specification
Power Source	Battery Powered (from tested battery)



Figure 2: Dimensions of the Aramox Car Battery Tester. The image highlights the length (12 cm / 4.7 in), width (4.5 cm / 1.8 in), and cable length (68 cm / 26.8 in) of the device.

5. Setup

The Aramox Car Battery Tester is designed for ease of use with minimal setup required. Ensure the battery terminals are clean and free of corrosion before connecting the tester.

5.1 Connecting the Tester

1. Identify the positive (+) and negative (-) terminals on the vehicle's 12V battery.
2. Connect the **red** positive probe of the tester to the**positive (+)** battery terminal.
3. Connect the **black** negative alligator clip of the tester to the**negative (-)** battery terminal.

4. Ensure a secure connection for accurate readings. The tester features polarity reverse connection protection.



Figure 3: Detailed view of the tester's connection points. This image shows the red positive probe, designed for sensitive response, and the black negative clip, designed for secure and safe connection. The back of the unit also features a magnetic sheet for convenient placement.

6. Operating Instructions

The tester provides two main functions: Battery Test and Alternator Test (Charging System Test).

6.1 Battery Test (Engine OFF)

This test assesses the current state of charge of your 12V battery when the engine is off.

1. Ensure the vehicle engine is turned **OFF**.
2. Connect the tester to the battery terminals as described in Section 5.1.
3. Observe the LEDs under the "BATTERY TEST" section. The illuminated LED indicates the battery's voltage level:
    - **5.0V LOW (Red):** Battery voltage is critically low.

- **12.0V (Yellow):** Battery voltage is low.
- **12.5V FULL (Green):** Battery is adequately charged.

4. A fully charged 12V battery should typically read around 12.6V or higher.

6.2 Alternator Test (Charging System Test - Engine ON)

This test evaluates the vehicle's charging system (alternator) performance when the engine is running.

1. Ensure the tester is connected to the battery terminals as described in Section 5.1.
2. Start the vehicle engine.
3. Observe the LEDs under the "ALTERNATOR TEST" section. The illuminated LED indicates the charging system's output:
   - **13.0V LOW (Yellow):** Charging system output is low.
   - **13.5V GOOD (Green):** Charging system is operating within normal parameters.
   - **14.0V FAULT (Red):** Charging system output is too high or faulty.
4. A healthy charging system should typically maintain a voltage between 13.5V and 14.5V when the engine is running.



Figure 4: The color-coded voltmeter analog display. This image highlights the LED indicators for both battery test (5.0V, 12.0V, 12.5V) and alternator test (13.0V, 13.5V, 14.0V), demonstrating the easy-to-read visual feedback provided by the device.

7. Maintenance

- **Cleaning:** Wipe the tester with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the cables neatly coiled to prevent damage.
- **Cable Inspection:** Periodically inspect the test leads and clips for any signs of wear, cuts, or damage. Do not use the tester if the cables are damaged.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Tester does not light up.	◦ Poor connection to battery terminals. ◦ Battery is completely dead (below 2V). ◦ Damaged cables or unit.	◦ Ensure clips are securely attached to clean battery terminals. ◦ Attempt to charge the battery or test with a known good battery. ◦ Inspect cables for damage. If damaged, discontinue use.
Inconsistent readings.	◦ Loose connections. ◦ Corroded battery terminals. ◦ Interference from other electrical systems.	◦ Re-secure connections. ◦ Clean battery terminals thoroughly. ◦ Ensure all non-essential vehicle electronics are off during testing.
Alternator test shows "FAULT" (14.0V Red LED) consistently.	◦ Overcharging by alternator. ◦ Faulty voltage regulator.	◦ Consult a qualified mechanic for diagnosis and repair of the vehicle's charging system.

9. Warranty and Support

Aramox provides a **24-month product guarantee** for this battery tester. If you encounter any issues or have questions regarding the product, please contact Aramox customer support. Refer to your purchase documentation for specific contact details or visit the official Aramox store on Amazon.
For further assistance, you may visit the Aramox Store on Amazon.

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