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Aramox B094138W4B

Aramox 12 Volt Voltmeter Meter Instruction Manual

Model: B094138W4B

1. Product Overview

The Aramox 12 Volt Voltmeter Meter is a digital voltage gauge designed for universal application in 12V vehicles. It features a 2-inch LED digital display with a black dial and smoked lens, providing clear voltage readings. The meter incorporates 20 LEDs (red, green, yellow) for visual indication, ensuring readability even at night. Constructed from high-quality ABS material, this voltmeter is built for durability and stable performance.



Image 1.1: Front view of the Aramox 12 Volt Voltmeter Meter, displaying a voltage reading of 10.7V with a warning indicator.

Key Features:

- **Universal Compatibility:** Suitable for all types of modified 12V vehicles.
- **LED Digital Display:** Clear blue digital readout with 20 multi-color LEDs (red, green, yellow) for enhanced visibility.
- **Durable Construction:** Made from high-quality ABS material for longevity.
- **Easy Installation:** Includes a power wire harness and instructions for straightforward setup.
- **Compact Design:** 2-inch diameter for versatile mounting options.

2. Specifications

Parameter	Value
Item Type	Digital Voltage Meter

Material	Acrylonitrile Butadiene Styrene (ABS)
Diameter	Approx. 52mm (2 inches)
Readout	Blue Digital LED
Power Requirement	12V / Maximum 0.3A
Visual Angle	≥180°
Product Dimensions	0.39 x 0.39 x 0.39 inches
Weight	4.87 ounces

3. Setup and Installation

This section provides instructions for installing your Aramox 12 Volt Voltmeter Meter. Professional installation is highly recommended to ensure correct wiring and safe operation.

Package Contents:

- 1 x Digital Voltage Meter
- 1 x Wiring Harness (approx. 1.94 ft)
- 1 x Instruction Manual (this document)

Installation Steps:

1. **Prepare the Mounting Location:** Choose a suitable 2-inch diameter location on your vehicle's dashboard or panel for mounting the voltmeter. Ensure there is sufficient space behind the panel for the meter and wiring.
2. **Connect the Power Cord:** Connect the provided wiring harness to the back of the voltmeter meter. Ensure a secure connection.
3. **Identify Vehicle Wiring:** Locate an appropriate 12V power source and a ground point in your vehicle's electrical system.
4. **Connect Negative Pole (Ground):** The black wire from the wiring harness represents the negative pole. Connect this wire securely to the vehicle's negative (ground) terminal.
5. **Connect Positive Pole (Power):** Connect the positive wire (typically red or another color) from the wiring harness to a switched 12V power source in your vehicle. This ensures the meter turns on and off with the vehicle's ignition.
6. **Secure the Meter:** Once wiring is complete and tested, carefully insert the voltmeter into the prepared mounting hole and secure it in place.



Image 3.1: The included wiring harness, showing the connector and individual wires for power and ground connections.



Image 3.2: Front and rear views of the voltmeter, illustrating the display and the connection port for the wiring harness.

Note: Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits or damage.

4. Operation

Once properly installed and powered, the Aramox 12 Volt Voltmeter Meter will automatically display the current voltage of your vehicle's electrical system.

Reading the Display:

- The central blue digital LED display shows the precise voltage reading in volts (e.g., 12.5V).
- The surrounding 20 LEDs provide a visual bar graph indication of the voltage level. These LEDs typically illuminate in different colors (red, green, yellow) to indicate various voltage ranges or conditions.
- A 'WARNING' indicator light may illuminate if the voltage drops below a critical threshold, signaling a potential issue with the vehicle's charging system or battery.



Image 4.1: Close-up view of the voltmeter display, showing the digital voltage reading and the LED bar graph.

5. Maintenance

The Aramox 12 Volt Voltmeter Meter requires minimal maintenance to ensure its longevity and accurate performance.

- **Cleaning:** The ABS material allows for easy cleaning. Use a soft, damp cloth to wipe the display and housing. Avoid abrasive cleaners or solvents that could damage the plastic or display.
- **Connection Check:** Periodically inspect the wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to inaccurate readings or intermittent operation.
- **Environmental Conditions:** While designed for automotive use, avoid exposing the meter to extreme temperatures or direct prolonged sunlight if possible, as this may affect the display's lifespan.

6. Troubleshooting

If you encounter issues with your Aramox 12 Volt Voltmeter Meter, refer to the following troubleshooting guide:

- **Meter Does Not Power On:**
  - Check all wiring connections, ensuring they are secure and correctly connected to the vehicle's 12V power source and ground.
  - Verify that the vehicle's ignition is on if the meter is wired to a switched power source.
  - Inspect the vehicle's fuse box for any blown fuses related to the power circuit used for the voltmeter.
- **Inaccurate Voltage Reading:**
  - Ensure the connections are clean and free of corrosion, which can interfere with accurate voltage sensing.
  - Compare the reading with another known accurate voltmeter to confirm the discrepancy.
  - Verify the vehicle's battery and charging system are functioning correctly, as issues there will reflect in the voltmeter reading.
- **LEDs Not Functioning Correctly:**
  - If some LEDs are not lighting up, ensure the meter is receiving stable 12V power.
  - If the issue persists, the unit may require replacement.

If these steps do not resolve the issue, please contact Aramox customer support for further assistance.

7. Warranty and Support

Aramox products undergo thorough quality testing before shipping to ensure product reliability and performance. For specific warranty details, please refer to the manufacturer's official warranty policy provided at the time of purchase or contact Aramox customer service.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please feel free to contact Aramox customer support. Our team is dedicated to providing prompt assistance.
For more information, you may visit theAramox Store on Amazon.

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