Aramox B0BCC513DY

Aramox 4-in-1 Multifunction Gauge Instruction Manual

Model: B0BCC513DY

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Aramox 4-in-1 Multifunction Gauge. This instrument is designed to display fuel level, oil pressure, water temperature, and voltage simultaneously, making it suitable for various vehicles including RVs, yachts, and ships.

2. Safety Information

- Ensure the power supply is disconnected before installation or maintenance to prevent electrical shock.
- Verify all wiring connections are correct and secure to avoid damage to the gauge or vehicle electrical system.
- Do not expose the gauge to extreme temperatures or harsh chemicals.
- Consult a qualified technician if you are unsure about any installation steps.

3. Package Contents

Please check the package for the following items:

- 1 x Aramox 4-in-1 Multifunction Gauge
- 1 x Wiring Harness
- 1 x Instruction Manual (this document)

4. Product Overview

The Aramox 4-in-1 Multifunction Gauge integrates four essential vehicle parameters into a single 85mm diameter unit. It features a durable 316L stainless steel bezel and anti-fog curved glass, ensuring clear visibility and longevity. The gauge is IP67 rated, providing complete waterproofing up to 1 meter underwater.



Image: Front view of the Aramox 4-in-1 Multifunction Gauge, showing indicators for fuel level, oil pressure, water temperature, and voltage.

The gauge utilizes a stepper motor for precise pointer indication, offering high accuracy, good repeatability, and stable performance. A red backlight is integrated for enhanced visibility during nighttime operation.

5. Specifications

Parameter	Specification
Type	4-in-1 Multifunction Gauge
Material	316L Stainless Steel Bezel, Anti-fog Glass, PC
Function Display	Fuel Level, Oil Pressure, Water Temperature, Voltage
Installation Diameter	Approx. 85 mm (3-3/8 inches)

Fuel Level Indication Range	F-1/2-E (Signal Input: 0-190 ohm)
Oil Pressure Indication Range	0-5 bar / 0-72 PSI (Signal Input: 10-184 ohm)
Water Temperature Indication Range	40-120 ℃ (Signal Input: 310-23 ohm)
Protection Grade	IP67 (Fully waterproof, submersible up to 1m)
Input Signal	Stepper Motor
Backlight Color	Red
Working Voltage	8-16 VDC (Ultra-wide design, long-term operation)
Working Current	≤120mA
Operating Temperature	-30 ℃ to +75 ℃
Storage Temperature	-40 ℃ to +85 ℃

6. Installation Instructions

6.1 Mounting the Gauge

1. Cut a circular hole of approximately 85mm (3-3/8 inches) diameter in your dashboard or mounting panel.
2. Insert the gauge into the cutout.
3. Secure the gauge from the rear using the provided mounting bracket and nuts. Ensure it is firmly in place to withstand vibrations.

6.2 Wiring Connections

The connection harness features a snap-on design for a firm and reliable connection, ensuring stable operation even under strong vibrations. Refer to the wiring diagram below for correct connections.

Wiring Instruction:

1.Red to 8-16VDC

3.Orange to Backlight -

4.Purple to Fuel Signal

6.Yellow to Temp. Signal

7.White to Press. Signal

8.Black to Ground -

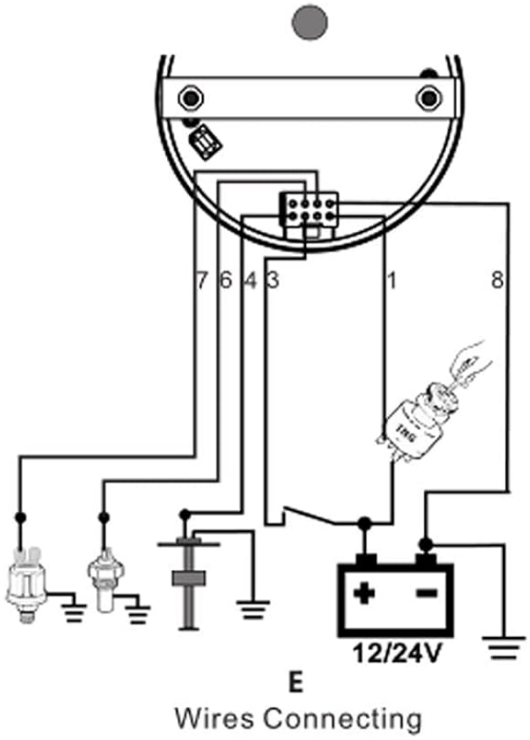


Image: Detailed wiring instruction diagram for the gauge, showing connections for power, backlight, fuel signal, temperature signal, pressure signal, and ground.



Image: Rear view of the gauge, showing the connection terminals and their corresponding labels for wiring.

- **Red Wire:** Connect to 8-16VDC power supply.
- **Orange Wire:** Connect to Backlight positive (+).
- **Purple Wire:** Connect to Fuel Signal input.
- **Yellow Wire:** Connect to Temperature Signal input.
- **White Wire:** Connect to Pressure Signal input.
- **Black Wire:** Connect to Ground (-).

Ensure all connections are tight and insulated to prevent short circuits.

7. Operating Instructions

Once properly installed and powered, the gauge will automatically display the current readings for fuel level, oil pressure, water temperature, and voltage. The stepper motor ensures accurate and stable pointer movement.



Image: The gauge displaying its red backlight, which enhances visibility during low-light conditions or nighttime operation.

- **Fuel Level:** Indicated by the F-1/2-E scale.
- **Oil Pressure:** Indicated by the 0-5 bar (0-72.5 PSI) scale.
- **Water Temperature:** Indicated by the 40-120 °C scale.
- **Voltage:** Indicated by the 8-16V scale.

The red backlight will activate when the vehicle's lights are turned on, providing clear visibility for night driving.

8. Maintenance

- **Cleaning:** Wipe the gauge face with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Environmental Protection:** Although the gauge is IP67 rated, avoid prolonged exposure to direct sunlight or extreme weather conditions when possible to maximize its lifespan.

9. Troubleshooting

Problem	Possible Cause	Solution
Gauge does not power on	No power supply; incorrect wiring; blown fuse	Check power connection (Red wire); verify ground connection (Black wire); inspect vehicle fuse box.
Inaccurate readings	Faulty sensor; incorrect signal wiring; sensor not compatible	Verify sensor functionality; check signal wire connections (Purple, Yellow, White); ensure sensor resistance matches gauge specifications.
Backlight not working	Backlight wire disconnected; backlight power issue	Check Orange wire connection; ensure vehicle lights are on.
Gauge pointer erratic	Loose connection; electrical interference	Check all wiring connections for tightness; ensure proper grounding.

10. Warranty and Support

For warranty information or technical support, please refer to the purchase documentation or contact your retailer. Keep your proof of purchase for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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