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› KAOLALI 52mm E-1/2-F 12V 0-190ohm Universal Fuel Level Gauge Instruction Manual

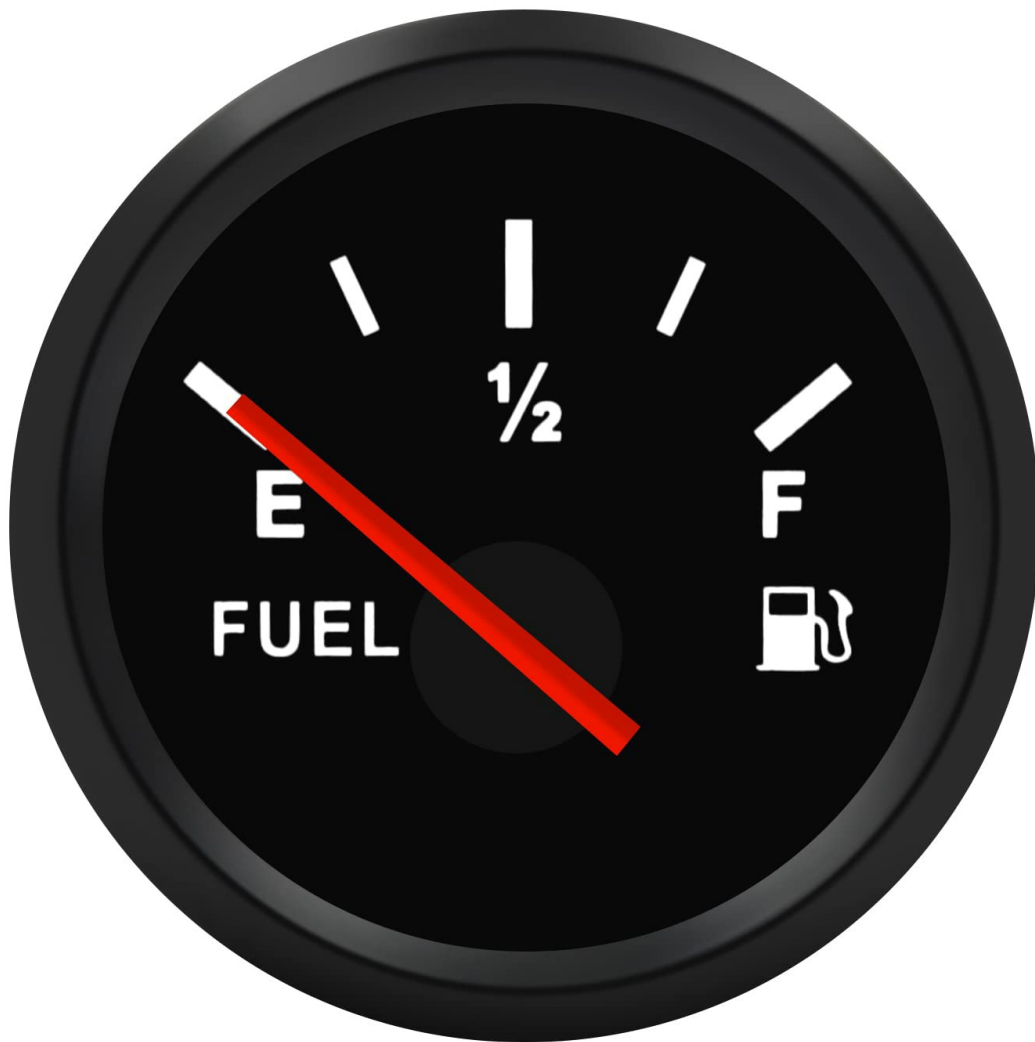
## KAOLALI medidor de combustible\_3

# KAOLALI 52mm E-1/2-F 12V 0-190ohm Universal Fuel Level Gauge Instruction Manual

## 1. PRODUCT OVERVIEW

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The KAOLALI 52mm E-1/2-F 12V 0-190ohm Universal Fuel Level Gauge is designed to accurately display the fuel level in various vehicles and vessels. It features a clear LED display and is compatible with 0-190ohm fuel level sensors. This gauge is suitable for 12V/24V systems found in boats, cars, motorcycles, and agricultural machinery.



This image displays the KAOLALI 52mm fuel level gauge, highlighting its waterproof design. The gauge face shows markings for Empty (E), Half (1/2), and Full (F) fuel levels, with a red needle indicating the current level. The word 'FUEL' is printed below the 'E' mark.

### **Package Contents:**

- 1 x 52mm Fuel Level Gauge
- 1 x Multi-plug Socket
- 1 x Installation Instructions

## **2. SPECIFICATIONS**

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Feature	Specification
Mounting Diameter	52 mm (2-1/16")
Indication Range	E-1/2-F (Empty - Half - Full)
Operating Voltage	9-32V DC (12V / 24V compatible)
Backlight Color	Red
Signal Input	0-190ohm
Material	Metal
Product Dimensions (L x W x H)	5.7 x 5.5 x 4.63 cm; 90 grams
Model Number	medidor de combustible_3



This image provides detailed dimensions of the fuel level gauge. The front view shows a 55mm diameter. The side view indicates a depth of 46.3mm from the front bezel to the back of the housing, along with the pin connections.

## 3. SETUP & INSTALLATION

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### Mounting:

1. Ensure the mounting hole diameter is 52mm (2-1/16 inches).
2. Insert the gauge into the mounting hole.
3. Secure the gauge using the provided mounting ring or bracket.

### Wiring Connections:

Refer to the wiring diagram below for correct electrical connections. Incorrect wiring can damage the gauge or vehicle's electrical system.

- **Pin 1:** Connect to Battery Positive (+9~32VDC)
- **Pin 2:** Connect to Battery Negative (-)
- **Pin 3:** Connect to Sensor Signal (-)
- **Pin 5:** Connect to Backlight Positive (+9~32VDC)

**Important:** This gauge is compatible with 0-190ohm oil level sensors. Please confirm the signal type of your existing sensor before installation.

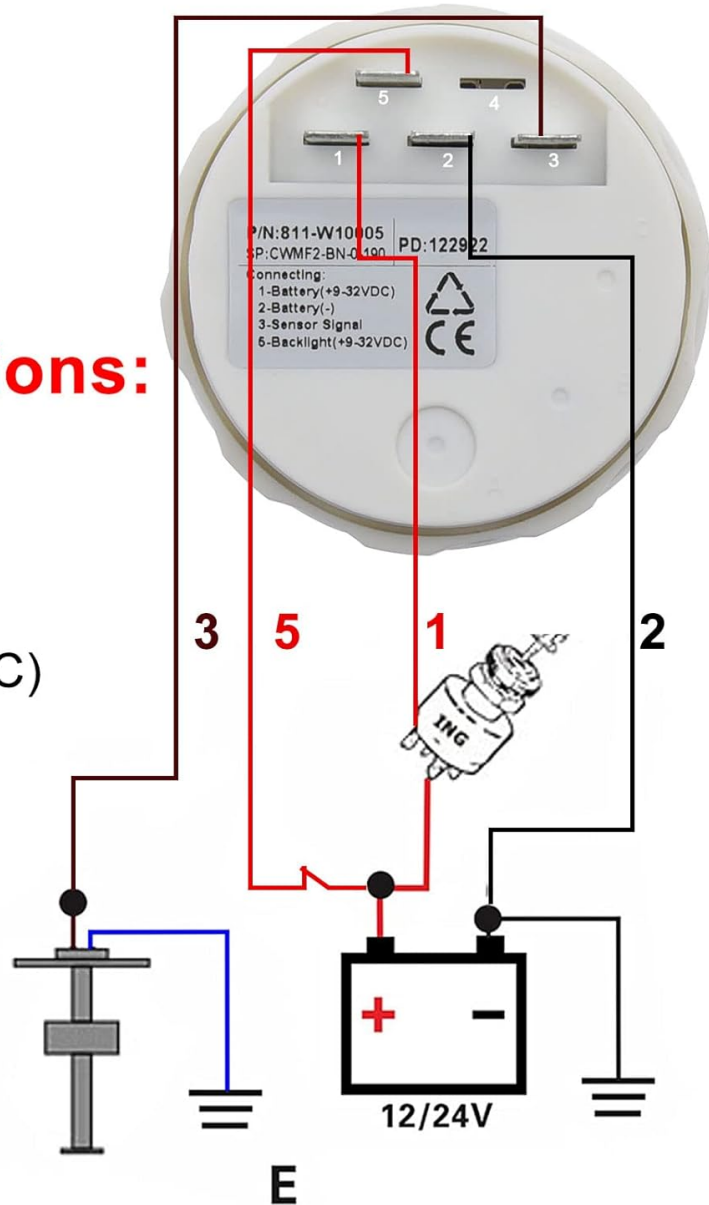
## Wire Connections:

1-Battery(+9~32VDC)

2-Battery(-)

3-Sensor Signal(-)

5-Backlight(+9~32VDC)



This diagram illustrates the wiring connections for the fuel level gauge. It shows five connection points: 1-Battery (+9~32VDC), 2-Battery (-), 3-Sensor Signal (-), 5-Backlight (+9~32VDC). A typical 12V/24V battery and a fuel level sensor are shown connected to the gauge.

## 4. OPERATION

### Reading the Gauge:

Once properly installed and powered, the gauge's red needle will indicate the current fuel level. The markings on the gauge face correspond to:

- **E:** Empty
- **1/2:** Half Full
- **F:** Full

### Backlight Function:

The gauge features a red LED backlight for improved visibility in low-light conditions. Ensure Pin 5 is correctly connected to a positive power source (e.g., vehicle's ignition or headlight circuit) to activate the backlight.



This image shows the fuel level gauge with its red LED backlight activated, providing clear visibility in low-light conditions.

### **Universal Application:**

This fuel level gauge is designed for universal application across various vehicle types, including:

- Boats
- Cars
- Motorcycles
- Agricultural Machinery



This image demonstrates the versatility of the KAOLALI fuel level gauge, suitable for a wide range of vehicles and vessels such as boats, cars, recreational vehicles (RVs), and motorcycles.

## 5. MAINTENANCE

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- **Cleaning:** Use a soft, damp cloth to clean the gauge face. Avoid abrasive cleaners or solvents that could damage the display or housing.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environmental Protection:** While the gauge is designed to be waterproof, prolonged exposure to extreme conditions or direct high-pressure water jets should be avoided.

## 6. TROUBLESHOOTING

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- **Gauge Not Powering On:**
  - Check power connections (Pin 1 and Pin 2) for proper voltage and ground.
  - Verify that the vehicle's battery is charged and supplying power.
  - Inspect fuses in the power circuit.

- **Incorrect Fuel Level Reading:**

- Ensure the fuel level sensor is correctly connected to Pin 3.
- Confirm that your fuel level sensor has a 0-190ohm signal output, as this gauge is designed for that specific range.
- Check the fuel level sensor itself for proper operation and calibration.

- **Backlight Not Working:**

- Verify that Pin 5 is connected to a positive power source.
- Check for any breaks in the backlight wiring.

## **7. WARRANTY & SUPPORT**

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KAOLALI maintains a strict quality control system, ensuring each item is tested and verified to be in good working condition before shipment. We are committed to providing reliable products.

For any questions regarding technical assistance, installation, or usage, please do not hesitate to contact us. We will respond to your inquiries as quickly as possible to provide support.