

# Measuring Fuel Level Sender Resistance

## Tools Required:

Multimeter (JEGS 555-2971)

Each fuel level sending unit is designed with a specific resistance range. To get the correct fuel level gauge and/or fuel level sender, you must measure the resistance of your existing sender.

## To measure the resistance:

Disconnect the plug at the sender.

Set the Multimeter to Ohms.

## Depending on how your sender is grounded, do one of the following:

1. On the top of your fuel level sender, you'll find two wires.
2. **If the sender is grounded through the fuel tank:**
  - a. connect one lead of the multimeter to the sender wire and the other lead to the body of the sender.
3. **If the sender is not grounded through the fuel tank:**
  - a. connect one lead of the multimeter to the sender wire and the other lead to the ground wire of the sender.
4. Measure the resistance with the tank empty.
5. Measure again with a full tank.

Note the resistance range.

Refer below to find the correct ohm range for your gauge and/or sender.

### 0 - 90 Ohms

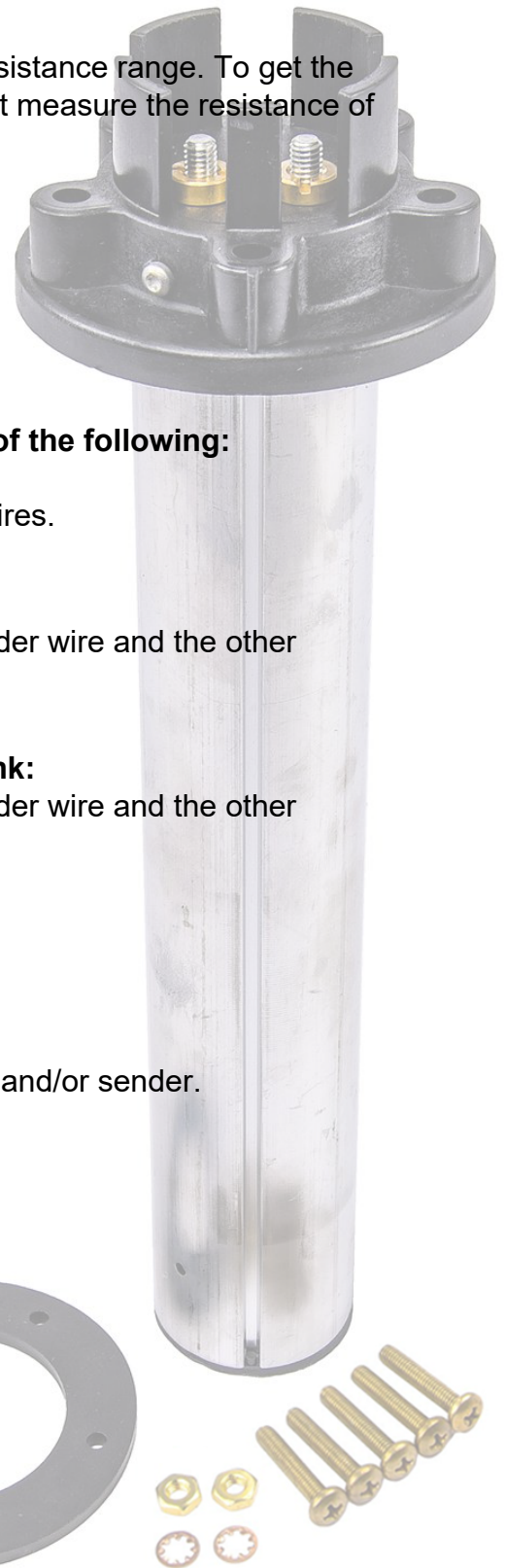
Most GM cars, 1965 to Present.

### 73 - 10 Ohms

Ford models (prior to 1989) and most Chrysler models.

### 240 - 33 Ohms

Industry Standard. Works with many popular models.



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