



## R601 Fuel Gauge Ohm Tester

Tester to be utilized with a digital multi-meter or good analog meter so readings will be accurate.

The potentiometer is a 10 turn device to ensure an accurate range of potential ohm values. Most fuel gauge readings will be between 2 and 300 ohms, use the counter dial indication to get as close to specific fuel gauge indication you want to measure as possible. To achieve the best ohms curve, always start at the full point descending down to empty. Like fuel being used normally. Do not test from empty to full.

**CAUTION:** Ignition key has to be on so gauge is powered. Engine may or may not be running. This is for 12 volt negative ground gauges. For 6 or 24 volt positive or negative ground gauges, contact the factory.

### **Disclaimer**

If an incorrect hookup or fuel gauge is faulty, ISSPRO is not liable for any damage that may occur or any incorrect readings. There is a 1 amp fuse inside, if tester does not work, it may have been hooked up wrong.

- Step 1: Disconnect the sender wire from the fuel sending unit in the tank and connect to 1 of the 2 wires on the tester. The other test lead must be connected to a good/clean ground. This is important, so that the fuel gauge will respond to the tester's input.
- Step 2: Using the potentiometer, turn knob to achieve a Full gauge value indication. Next, disconnect both tester leads and with meter measure the potentiometer value.
- Step 3: Reconnect tester and dial in fuel gauge 1/2 tank indication and repeat step 2. It is best to get as many measurements as possible. If all gauge graduations are to be checked, this will help to ensure the new/custom sending unit will match the fuel gauge.

