

**Before Use:**

**▲ READ ALL OPERATING INSTRUCTIONS BEFORE USE.** Use extreme caution when checking electrical circuits to avoid injury due to electric shock. Sperry Instruments assumes basic knowledge of electricity on the part of the user and is not responsible for any injury or damages due to improper use of this tester.

**OBSERVE AND FOLLOW** all standard industry safety rules and electrical codes. When necessary call a qualified electrician to troubleshoot and repair the defective electrical circuit.

**Specifications:**

**Operating Range:** 115 – 125 VAC, 60 Hz;

**Certifications and compliance:** Conforms to UL 1436,

**Indicators:** Visual Only

**Operating Environment:** 32° - 90° F (0 - 32° C)

80% RH max., 50% RH above 30° C Altitude up to 2000 meters. Indoor use. Pollution degree 2. Accordance with IED-664.

**Cleaning:** Remove grease and grime with clean, dry cloth.

**Outlet Circuit Tester Operation:**

1. Plug the tester into any 120 Volt standard or GFCI outlet.
2. Only a single LED should illuminate
3. The text adjacent to the lit LED will indicated the wiring condition.
4. If no LED illuminates then the hot is open
5. If the tester indicates a wiring problem then turn off all power to the outlet and repair wiring.
6. Restore power to the outlet and repeat steps 1-3

**NOTICE:**

1. All appliances or equipment on the circuit being tested should be unplugged to help avoid erroneous readings.
2. Not a comprehensive diagnostic instrument but a simple instrument to detect nearly all probable common improper wiring conditions.
3. Refer all indicated problems to a qualified electrician.
4. Will not detect two hot wires in a circuit.
5. Will not detect a combination of defects.
6. Will not indicate a reversal of grounded and grounding conductors.

**TO TEST GFCI PROTECTED OUTLETS:**

1. To test GFCI (Ground Fault Circuit Interrupter) protected circuits plug tester into GFCI protected outlet. View the LED indicators to verify that the power is on and that the outlet is wired properly.
2. Press the GFCI test button.
3. If circuit is wired properly the main GFCI outlet should trip and power to the circuit will be cut off (this is indicated by the LED lights on the tester going off).

**GROUND RESISTANCE TEST:**

The unit automatically tests circuits for proper ground wiring. If the resistance of the ground wiring is greater than ~10 Ohms then the red indicator adjacent "Bad Ground" will illuminate indicating a bad ground.

**NOTICE:**

1. Consult the GFCI manufacturer's installation instructions to determine that the GFCI is installed in accordance with the manufacturer's specifications.
2. Check for correct wiring of receptacle and all remotely connected receptacles on the branch circuit.
3. Operate the test button on the GFCI installed in the circuit. The GFCI must trip. If it does not — do not use the circuit — consult an electrician. If the GFCI does trip, reset the GFCI. Then, insert the GFCI tester into the receptacle to be tested.
4. Activate the test button on the GFCI tester for a minimum of 6 seconds when testing the GFCI condition. Visible indication on the GFCI tester must cease when tripped.
5. If the tester fails to trip the GFCI, it suggests: a.) a wiring problem with a totally operable GFCI, or b.) proper wiring with a faulty GFCI. Consult with an electrician to check the condition of the wiring and GFCI.

**Caution:** GFCIs are sometimes installed in 2- wire systems (no ground wire available). This may or may not meet the local code. This tester will not trip GFCI outlets installed without a ground wire. On two wire systems use the test and reset buttons on the GFCI outlet to demonstrate proper operation. To detect which downstream outlets are protected by the GFCI place the tester in these outlets and use the test and reset buttons. Watch for the LEDs on the tester to turn off, this will indicate proper operation.


**Battery Instructions:**

No batteries need for this unit

 **CAUTION:**

**REFER TO THIS MANUAL BEFORE USING THIS TESTER**

**DO NOT ATTEMPT TO REPAIR THIS TESTER. IT CONTAINS NO SERVICEABLE PARTS**

 **Double Insulation:** The tester is protected throughout by double insulation or reinforced insulation.

**Warning** – This product does not sense DC voltage

**Warning** – To assure the unit is operating, always test on a known live circuit before use.

**Limited Lifetime Warranty** limited solely to repair or replacement; no warranty of merchantability or fitness for a particular purpose. Product is warranted to be free of defects in materials and workmanship for the normal life of the product. In no event shall Sperry Instruments be liable for incidental or consequential damage.

