

**MODEL: ST6401****SCREWDRIVER VOLTAGE-CONTINUITY TESTER****BEFORE USE:**

READ ALL OPERATING INSTRUCTIONS BEFORE USE. Use extreme caution when checking electrical circuits to avoid injury due to electrical 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 local electrical codes. When necessary call a qualified electrician to troubleshoot and repair the defective electrical circuit.

**SPECIFICATIONS:**

**Operating Range:** 12-250 VAC/DC, 60Hz; CAT II 300V

**Indicators:** Visual Only

**Operating Environment:** 32° - 104° F (0 - 32° C)  
80% RH max., 50% RH above 31° C

Altitude up to 2000 meters. Indoor use.

Pollution degree 2. Accordance with IED-664.

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

**OPERATION:**

**Always test on known live circuit before use to make sure the tester is operating properly and the batteries are good.**

**Batteries:** This tester requires two 1.5 Volt button cell batteries (LR44, SR44, A76, G13, AG13, GP76A, 257, D357, V13GA) to operate properly. To test if the batteries are good simply touch the contact point on the tester handle while touching the screwdriver tip. If the indicator light does not glow then replace the batteries by removing the battery cover on the back of the tester. Retest after replacing the batteries.

**To test for voltage** insert screwdriver tip into outlet or touch tip to electrical contact to be tested. Touch metal contact on the side of the tester housing (labeled "TOUCH") with your finger. **DO NOT TOUCH THE SCREWDRIVER TIP!** If voltage is present the LED will glow.

**To test for continuity** disconnect power and remove all fuses from the circuit or component to be tested. Touch the screwdriver tip to one end of the circuit or component to be tested while placing your finger on the metal contact on the tester handle; To complete the circuit hold or touch the other end of the circuit or component to be tested. If continuity (continuous circuit with no breaks) is present the continuity indicator LED will glow.

**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 indicate quality of ground.
5. Will not detect two hot wires in a circuit.
6. Will not detect a combination of defects.
7. Will not indicate a reversal of grounded and grounding conductors.



**CAUTION - REFER TO THIS MANUAL BEFORE USING THIS TESTER.**



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



**Warning -** To assure the unit is operating properly, 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.



1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431



Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)