



LINE VOLTAGE TESTER

USER'S MANUAL



CT101

Please read this manual carefully and thoroughly before using this product.

KEY FEATURES

- Visual indication of AC or DC voltage
- Easy to use
- UL approved
- Safe for CAT III 600V use
- Insulated housing
- Pocket clip on back

SAFETY INSTRUCTIONS

DANGER
Electric
Shock Risk



Warning



DANGER
Electric
Shock Risk

To avoid possible electric shock or personal injury, and to avoid damaging the tester or the equipment being tested:

- Do not use the CT101 in any way not detailed in this manual or the tester's safety features may be compromised.
- Never use the tester to detect the presence of voltages higher than 500V (AC or DC).
- The CT101 may not detect the presence of voltages lower than 80V. Use caution whenever detecting AC

voltages above 42VAC_{RMS} or DC voltages above 60VDC. Both pose a shock hazard.

- Before using the tester, inspect the case. Do not use the CT101 if the case is damaged. Look for cracks or missing plastic. Pay particular attention to the insulation around the connectors.
- Do not operate the tester around explosive gas, vapor, or dust.
- When using the probes, keep your fingers behind the finger guards. Never touch the metal ends of the probes when making a measurement.

OPERATING INSTRUCTIONS

Follow the instructions for the type of circuit you wish to test, using the figures as a guide:

Three-Wire AC Grounded Outlets and Power Strips/Cords



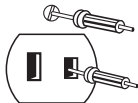
Insert one probe into the narrow (“hot”) slot of the receptacle and the other into the wide (neutral) slot. Either probe can go into either slot. If the line is “hot”, the orange neon bulb at the end of the tester will glow.

To test whether the circuit is grounded, insert one probe into the narrow (“hot”) slot and the other into the ground slot. Be sure to push the probe all the way into the ground slot to be sure that it makes contact. The neon bulb will glow if the receptacle is grounded. Then test between the wide (neutral) and ground slots. The neon bulb should not glow.

Note: The CT101 cannot indicate the quality of a ground, reversed ground wiring, two hot wires in a circuit, or more than one wiring fault.

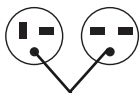
Two-Wire AC Outlets and Power Cords

Insert the probes into the two slots. The neon bulb will glow if the circuit is “live”. To determine which slot is “hot”, insert one probe into the narrow slot and touch the other probe to the metal mounting screw. If the bulb glows, the screw is grounded, the



narrow slot is “hot”, and the wide slot is neutral (grounded). If the bulb does not glow, the screw is not grounded, the wide slot is “hot”, and the narrow slot is neutral.

Three-Wire 220VAC Receptacles



Insert the first probe into the round (neutral) hole and the second probe into either rectangular slot. If the bulb glows, that slot is “hot”. Then move the second probe to the other rectangular slot. If the bulb glows, that slot is also “hot”. Finally, insert the probes into both rectangular slots. The bulb will glow more brightly to indicate the presence of 220VAC.

SPECIFICATIONS

Voltage Detection Range:

80 to 500VAC/DC

Maximum Current: 0.3A @ 50/60Hz

Safety Rating: CAT III 600V

Lead Thickness: 18 AWG

Weight: 0.6 oz. (17g)

Operating Temperature: 41° to 104°F

(5° to 40°C) @ <80%RH

(<60%RH above 88°F/31°C)

WARRANTY INFORMATION

General Tools & Instruments' (General's) CT101 Line Voltage Tester is warranted to the original purchaser to be free from defects in material and workmanship for a period of one year. Subject to certain restrictions, General will repair or replace this instrument if, after examination, the company determines it to be defective in material or workmanship. The warranty period begins on the date of purchase. You are encouraged to register your product online. General will extend your warranty an additional 60 days if you register at www.generaltools.com/ProductRegistry.

This warranty does not apply to damages that General determines to be from an attempted repair by non-authorized personnel or misuse, alterations, normal wear and tear, or accidental damage. The defective unit must be returned to General Tools & Instruments or to a General-authorized service center, freight prepaid and insured.

Acceptance of the exclusive repair and replacement remedies described herein is a condition of the contract for purchase of this product. In no event shall General be liable for any incidental, special, consequential or punitive damages, or for any cost, attorneys' fees, expenses, or losses alleged to be a consequence of any damage due to failure of, or defect in any product including, but not limited to, any claims for loss of profits.

Register now at www.generaltools.com/ProductRegistry to receive a 60-day extension to your warranty.

RETURN FOR REPAIR POLICY

Every effort has been made to provide you with a reliable product of superior quality. However, in the event your instrument requires repair, please contact our Customer Service to obtain an RGA (Return Goods Authorization) number before forwarding the unit via prepaid freight to the attention of our

Service Center at this address:

General Tools & Instruments
80 White Street
New York, NY 10013
212-431-6100

Remember to include a copy of your proof of purchase, your return address, and your phone number and/or e-mail address.



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MAN# CT101
9/17/13