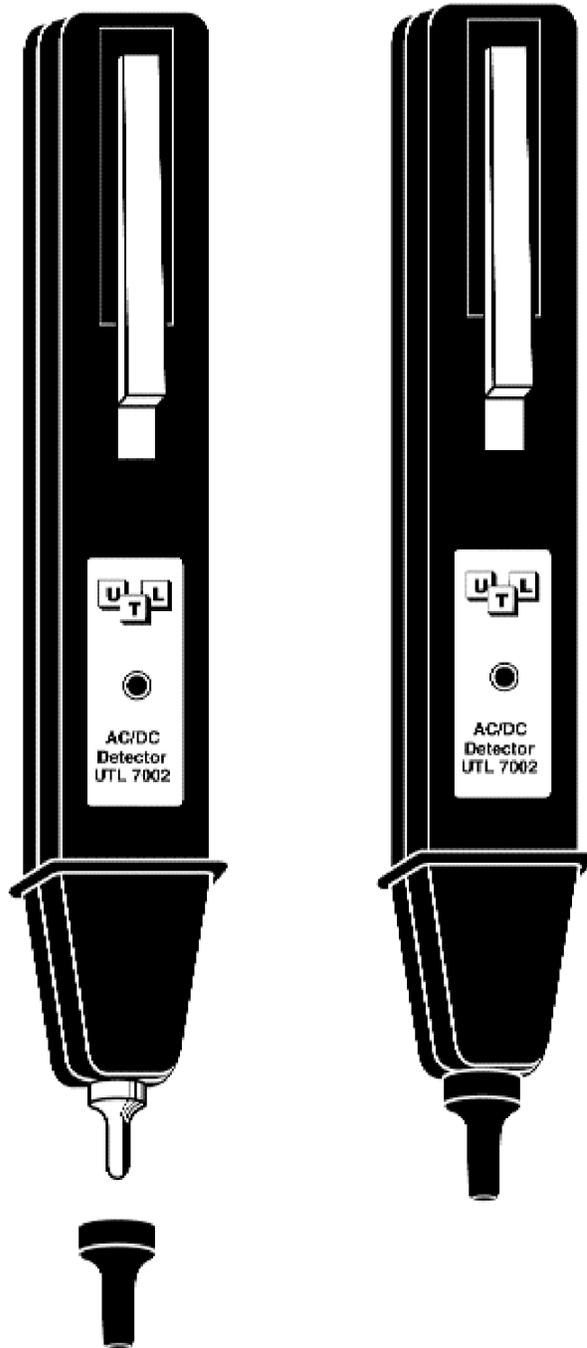


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INSTRUCTION MANUAL

UTL7002

Power Detector



1-800-547-5740 • Fax: (503) 643-6322
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Introduction

The UTL7002 pocket-clip voltage detector sounds off with a loud tone and lights its LED indicator when it's held near an AC voltage source. It can also be used as a quick "contact" DC detector for voltages as low as 3 volts DC with plastic cap removed.

Features include

- Detect live voltages (50 to 500 ACV and 30 to 220 DCV)
- AC and DC voltage detection
- Batteries included (AB13)

Safety Notes

Before using this detector, always test on a known voltage source to make sure it is operating properly. Do not remove the cap from the probe when detecting voltage over 250 volts.



WARNING!

Exceeding the specified limits of this meter is dangerous and can expose the user to serious or possibly fatal injury.

- Rubbing or banging the detector may generate static electricity and cause a false reading
- Because of its sensitivity to extremely small currents, a false reading may occur in some situations, e.g. a conductor with poor insulation touching a damp wall will show voltage across the damp area, indicating a potential hazard. A voltmeter should be used to check the problem.
- Keep your fingers away from the test lead metal probe contacts and bus-bars when making measurements. Always grip the instrument and test-leads behind the hand guards (molded into the probes).
- In the event of electrical shock, ALWAYS bring the victim to the emergency room for evaluation, regardless of the victim's apparent recovery. Electrical shock can cause an unstable heart rhythm that may need medical attention.

Operating Instructions

Before use, push the Pen Clip (On/Off Switch) toward the probe. When detecting AC or DC current, gently press and hold the Pen Clip, making contact with the metal plate.

Detecting Breaks In Cables Or Appliance Leads

Move the probe along the cable. A break is indicated at the point where the LED and buzzer cease to respond.

To Locate A Live Wire In Flat Cables

Hold the cable in one hand and point the probe tip toward it. The side which causes the strongest response from the detector contains the "live" wire.

Check Fuses

Turn ON the mains to the fuses. Run the probe across the fuses. A dead fuse is indicated when the Detector stops responding.

To Identify The Live Slot On An AC Outlet

Insert the probe into each slot of the AC outlet. The one with the stronger signal is the "live" slot.

To Check Safety Grounding Of Power Tools Or Appliances

Connect the equipment to the mains. Place the probe in contact with the metal housing. If no signals occur when equipment is switched on and off, then it is safety grounded.

To Check Continuity On DC Circuits (3V or Up)

Remove cap from probe and place probe in contact with the circuit. Place free hand on ground connection of circuit. The indicators will be triggered if voltage exists.

To Check Auto Accessories

Detector can quickly find the source of current failure to the ignition switch, lights, or other accessories. Remove cap from probe and touch probe to the accessory while placing the free hand on the car body. If no response occurs, then the failure is in the accessory.

Maintenance

Periodic service

WARNING!

Repair and service of this instrument is to be performed by qualified personnel only. Improper repair or service could result in physical degradation of the instrument. This could alter the protection from electrical shock and personal injury this meter provides to the operator. Perform only those maintenance tasks that you are qualified to do.

These guidelines will help you attain long and reliable service from your meter:

1. Calibrate your meter annually to ensure it meets original performance specifications.
2. Keep your meter dry. If it gets wet, wipe it dry immediately. Liquids damage electronic circuits.
3. Whenever practical, keep the meter away from dust and dirt, which can cause premature wear.
4. Although your meter is built to withstand the rigors of daily use, it can be damaged by severe impacts. Use reasonable caution when using and storing the meter.

Cleaning and Decontamination

Periodically clean your meter's case using a damp cloth. **DO NOT** use abrasives, cleaning solvents or strong detergents, as they may damage the finish or affect the reliability of the structural components.

Battery Replacement

If the visual and audio signals become weak, the batteries should be replaced. Slide out battery door located on the back of the Detector and insert two fresh LR44 button batteries (UEi #B13), making sure of correct polarity. Replace battery cover.

Always use a fresh replacement battery of the specified size and type. Immediately remove the old or weak battery from the meter and dispose of it in accordance with your local disposal regulations. Old or defective batteries can leak chemicals that corrode electronic circuits.

UTL UTL7002

Power Detector

Limited Warranty

The UTL7002 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

1-800-547-5740 • FAX: (503) 643-6322
www.ueitest.com • Email: info@ueitest.com
UTL is distributed by UEi

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

