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uxcell a12100800ux0015

uxcell Voltage Tester AC 100-500V Instruction Manual

Model: a12100800ux0015

1. PRODUCT OVERVIEW

The uxcell Voltage Tester is a versatile tool designed for testing electrical circuits and distinguishing between live and neutral wires. It functions both as a voltage tester and a 3mm slotted screwdriver, making it a practical device for various electrical tasks. This manual provides essential information for safe and effective use of the product.



Figure 1: The uxcell Voltage Tester, showing its clear handle, red shaft, and slotted screwdriver tip.

2. SAFETY INFORMATION

Always prioritize safety when working with electricity. This voltage tester is designed to assist in identifying live circuits, but improper use can lead to electric shock or injury. Adhere to the following safety guidelines:

- **DO NOT touch the voltage tester probe** during operation. The probe is the metal tip of the screwdriver.
- Ensure your hands are dry and you are standing on a dry surface when using the tester.
- Always hold the insulated handle of the tester.
- Verify the tester is functioning correctly before use on a known live circuit, if possible, or by checking its neon light response.
- This device is rated for AC 100-500V. Do not use it on circuits outside this voltage range.
- If the neon light does not illuminate when testing a known live circuit, do not assume the circuit is dead. Investigate further with other appropriate tools.
- Keep out of reach of children.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. SETUP

The uxcell Voltage Tester requires no complex setup. It is ready for use directly out of the packaging.

1. Carefully remove the voltage tester from its packaging.
2. Inspect the device for any visible damage. Do not use if the insulation or any part of the tester appears damaged.

4. OPERATING INSTRUCTIONS

The voltage tester can be used to check for the presence of AC voltage in circuits and to differentiate between live and neutral wires.

4.1. Testing for Voltage

1. Hold the insulated handle of the voltage tester firmly with your thumb and middle fingers.
2. Place your forefinger on the metal cap at the end of the voltage tester's handle. This completes the circuit for the neon indicator.
3. Carefully insert the metal screwdriver tip (probe) into the electrical point you wish to test (e.g., a socket slot, a wire terminal).
4. Observe the neon tube inside the clear handle. If AC voltage is present within the 100-500V range, the neon tube will illuminate.
5. The brightness of the neon light indicates the approximate voltage level; a brighter light suggests higher voltage.



Figure 2: Proper grip for using the voltage tester, with the forefinger on the metal cap.

4.2. Using as a Screwdriver

The 3mm slotted tip can be used for light-duty screwing tasks. Ensure the circuit is de-energized before using the tool as a screwdriver on electrical components.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your voltage tester.

- **Cleaning:** Wipe the tester with a dry, clean cloth. Do not use abrasive cleaners or solvents. Ensure no moisture enters the device.
- **Storage:** Store the tester in a dry place, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case to prevent damage to the tip.
- **Inspection:** Before each use, visually inspect the tester for any cracks in the plastic handle or bends in the metal shaft. Discontinue use if any damage is observed.

6. TROUBLESHOOTING

If you encounter issues with your voltage tester, consider the following:

- **Neon light does not illuminate on a known live circuit:**
 - Ensure your forefinger is firmly touching the metal cap at the end of the handle.
 - Verify the circuit is indeed live and within the 100-500V AC range.
 - Check for any visible damage to the tester. If damaged, do not use.
 - The internal neon bulb may be faulty. If so, the tester needs replacement.
- **Light is dim:**
 - A dim light may indicate lower voltage within the specified range, or a weak connection. Ensure good contact with the circuit.

If the problem persists after checking these points, the device may be faulty and should be replaced.

7. SPECIFICATIONS

Feature	Detail
Voltage Range	AC 100-500V
Overall Size (L x D)	140 x 15mm / 5.52 x 0.6 Inch
Screwdriver Head Width	3mm / 0.12 Inch
Function	Circuit Tester, Slotted Screwdriver
Weight	17 Grams
Color	Red+Clear+Silver
Model Number	a12100800ux0015

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your uxcell Voltage Tester, please contact uxcell customer service or visit their official website.

You can find more information and contact details on the [uxcell Brand Store on Amazon](#).

