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› Total THT2910003 12V-1000V AC Voltage Detector User Manual

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Total THT2910003 AC Voltage Detector. Please read this manual thoroughly before operation and retain it for future reference. This device is designed for non-contact detection of AC voltage in electrical circuits, cables, and outlets.

Safety Information

- Always assume live circuits are present until verified otherwise.
- Do not use the device if it appears damaged or is not functioning correctly.
- Do not attempt to open or modify the device.
- Keep the device away from water and extreme temperatures.
- This device is not a substitute for proper electrical safety procedures. Always consult a qualified electrician for complex electrical work.

2. PRODUCT OVERVIEW

The Total THT2910003 is a lightweight, battery-powered non-contact AC voltage detector. It features a wide voltage detection range and provides visual and audible indications of live voltage.

Components

- **Detection Tip:** Senses AC voltage.
- **LED Indicator:** Illuminates when voltage is detected.
- **Power Button:** Turns the device on/off.
- **Battery Compartment:** Located at the rear for battery installation.



Image showing the Total THT2910003 AC Voltage Detector, highlighting its compact design and tip.

3. SETUP

Battery Installation

1. Locate the battery compartment cover on the rear of the device.
2. Slide or unclip the cover to open.
3. Insert the required batteries (refer to specifications for type) ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

Powering On/Off

- To turn on the device, press and hold the Power Button until the LED indicator briefly flashes.
- To turn off the device, press and hold the Power Button again until the LED indicator turns off.
- The device may have an auto-off feature to conserve battery life.

4. OPERATING INSTRUCTIONS

Detecting AC Voltage

1. Ensure the device is powered on.
2. Carefully approach the detection tip to the electrical conductor, outlet, or cable you wish to test.
3. If AC voltage is present within the detection range (12V-1000V AC), the LED indicator will illuminate, and an audible beep will sound. The intensity of the light and frequency of the beep may increase with stronger voltage or closer proximity to the source.
4. Move the tip along the conductor to pinpoint the exact location of the live wire.
5. Always test on a known live circuit first to confirm the detector is working correctly before testing an unknown circuit.

5. MAINTENANCE

Cleaning

- Wipe the device with a dry, clean cloth.
- Do not use abrasive cleaners or solvents.

Battery Replacement

- Replace batteries when the indicator light becomes dim or the device fails to power on.
- Follow the battery installation steps in Section 3.
- Dispose of old batteries according to local regulations.

Storage

- Store the device in a cool, dry place, away from direct sunlight.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity; replace batteries.
No detection on a known live circuit.	Low battery; device malfunction; incorrect usage.	Replace batteries; ensure proper contact with the conductor; test on another known live circuit.
False positives (detection without actual voltage).	Static electricity; strong electromagnetic fields nearby.	Retest in a different location; ensure hands are not generating static; avoid strong interference sources.

7. SPECIFICATIONS

Feature	Detail
Brand	Total Tools
Model Number	THT2910003

Feature	Detail
Power Source	Battery Powered
Minimum Operating Voltage	12 Volts AC
Maximum Operating Voltage	1000 Volts AC
Measurement Type	Voltmeter
Product Dimensions (L x W x H)	10 x 20 x 37 cm
Item Weight	209 grams
Style	Lightweight
Color	Multi
Number of Units	1 Count
Compatible Devices	Any device connectable to an electrical circuit
Date First Available	April 8, 2021

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.

Manufacturer: Total Tools

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