Testboy Testboy 11

Testboy 11 Non-Contact AC Voltage Tester

User Manual

1. Introduction

The Testboy 11 is a reliable non-contact AC voltage tester designed for detecting live conductors in electrical connections, cable reels, sockets, switches, and more. Utilizing a capacitive measurement method, it provides quick and precise indications of AC voltage presence through both optical and acoustic signals. This device is built with highly resistant materials to withstand demanding professional use.

Safety Information: Always prioritize safety when working with electricity. This device is a testing aid and does not replace proper safety procedures. Ensure the device is functioning correctly before each use. Adhere to all local electrical safety regulations and standards.

Figure 1: Testboy 11 Non-Contact AC Voltage Tester

This image shows the Testboy 11 Non-Contact AC Voltage Tester, a red pen-shaped device with a white tip and a pocket clip. The body features the 'TESTBOY 11' branding, safety certifications, and battery information.

2. Product Overview and Components

The Testboy 11 is a compact and robust tool. Key components include:

- **Sensor Tip:** For non-contact voltage detection.
- **LED Indicator:** Provides visual indication of voltage.
- **Acoustic Buzzer:** Provides audible indication of voltage.
- **Pocket Clip:** For convenient carrying.
- **Battery Compartment:** Houses the AAA batteries.

Figure 2: Close-up of Testboy 11 body

This image provides a detailed view of the Testboy 11's body, showing the 'TESTBOY 11' model name, 'CAT III 1000V' safety rating, and battery specifications '2x 1.5V LR03'.

3. Setup

The Testboy 11 requires two AAA batteries for operation. The batteries are typically included with the device.

1. To install or replace batteries, carefully twist and pull the top section of the tester (near the pocket clip) to reveal the battery compartment.
2. Insert two 1.5V AAA (LR03) batteries, ensuring correct polarity as indicated inside the compartment.
3. Securely reattach the top section by aligning and twisting until it clicks into place.

Note: Always use fresh batteries for optimal performance and accurate readings. Remove batteries if the device will not be used for an extended period.

4. Operating Instructions

The Testboy 11 is designed for simple and intuitive operation.

1. **Power On:** The device is always in standby mode. To activate, simply hold the tester. It performs a self-test upon activation.
2. **Testing for Voltage:** Hold the sensor tip of the Testboy 11 close to the object you wish to test (e.g., a cable, socket, or switch).
3. **Interpreting Signals:**
    - If AC voltage is detected (within the range of 110-1000V AC), the LED indicator will light up, and an audible buzzer will sound.
    - The intensity of the optical and acoustic signals may vary depending on the proximity to the voltage source and the strength of the electric field.
4. **Power Off:** The device automatically powers off after a period of inactivity to conserve battery life.

Figure 3: Testboy 11 in use

This image shows a hand holding the Testboy 11, with its tip positioned near an electrical cable, demonstrating its non-contact voltage detection capability.

Figure 4: Close-up of the sensor tip

This image provides a close-up view of the white sensor tip of the Testboy 11, which is used for non-contact detection of AC voltage.

5. Maintenance

To ensure the longevity and accuracy of your Testboy 11, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the indicator lights dim or the acoustic signal weakens, or if the device fails to activate. Refer to Section 3 for battery replacement instructions.
- **Storage:** Store the device in a dry, cool place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

If you encounter issues with your Testboy 11, consider the following:

- **Device not responding:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Inconsistent readings:** Ensure the sensor tip is clean and free from obstructions. Environmental factors or strong electromagnetic fields can sometimes affect non-contact testers.
- **No optical/acoustic signal with known voltage:** Verify battery status. If the issue persists, the device may require servicing.

7. Specifications

Feature	Specification
Model	Testboy 11
Voltage Range	110 - 1000 V AC
Measurement Method	Capacitive
Indicators	Optical (LED) and Acoustic
Safety Category	CAT III 1000 V
Power Supply	2 x 1.5 V AAA (LR03) batteries
Housing Material	ABS Plastic
Dimensions (LxWxH)	10 x 10 x 59 mm (approx.)
Weight	21 g (approx.)
Certification	IEC / EN 61010-1 (DIN VDE 0411)

8. Warranty and Support

Testboy products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official Testboy website or contact your local distributor. Keep your proof of purchase for warranty claims.