

Testboy 2220066

Testboy 11 Non-Contact Voltage Tester

Model: 2220066 | Brand: Testboy

1. INTRODUCTION

The Testboy 11 is a non-contact voltage tester designed to detect live AC voltage in electrical installations. It utilizes a capacitive measurement method to identify energized conductors in cables, cable reels, sockets, switches, junction boxes, and other electrical components without direct contact. The device provides both visual and audible indications of voltage presence, making it a reliable tool for electrical safety checks.

2. SAFETY INFORMATION

Read all safety warnings and instructions before use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This device is rated for CAT III 1000V, indicating its suitability for measurements in building installations.
- Always verify the tester's functionality on a known live source before and after use.
- Do not use the tester if it appears damaged or is not operating correctly.
- This device is a voltage detector, not a voltage measuring instrument. It indicates the presence of AC voltage but does not provide a precise voltage value.
- Keep fingers behind the finger guard during operation.
- Do not attempt to open or modify the device. There are no user-serviceable parts inside except for batteries.
- Adhere to local safety regulations and standards when working with electricity.
- The device complies with IEC/EN 61010-1 (DIN VDE 0411) safety standards.

3. PRODUCT OVERVIEW

The Testboy 11 is a compact, pen-style non-contact voltage tester. It features a robust ABS plastic housing, a sensitive tip for detection, and integrated visual (LED) and audible (buzzer) indicators.



Image 1: The Testboy 11 Non-Contact Voltage Tester. This image displays the red, pen-shaped device, highlighting its tip for voltage detection and the main body where indicators are located.

4. SETUP

4.1. Battery Installation

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

1. Unscrew the cap at the rear end of the tester.
2. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the battery compartment.
3. Replace the cap and screw it firmly back into place.
4. Test the device on a known live circuit to confirm proper battery installation and functionality.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

The Testboy 11 typically activates automatically when brought near an AC voltage source. There is no manual power button. It enters a standby mode when not detecting voltage to conserve battery life.

5.2. Performing a Voltage Test

To detect the presence of AC voltage:

1. Hold the Testboy 11 firmly by its body, ensuring your fingers are behind the finger guard.
2. Bring the tip of the tester close to the conductor, cable, or component you wish to test.
3. If AC voltage between 110V and 1000V is detected, the tester's tip will illuminate (visual indication), and an audible beep will sound (audible indication).
4. The intensity of the indication may vary depending on the proximity to the voltage source and the strength of the electrical field.

5.3. Detecting Cable Breaks

Due to its capacitive measurement method, the Testboy 11 can also assist in locating breaks in live cables. By moving the tester along a live cable, the indication will cease at the point of the break, allowing for precise localization.

6. MAINTENANCE

6.1. Cleaning

Clean the exterior of the Testboy 11 with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is dry before storage or next use.

6.2. Storage

Store the device in a dry, cool place, away from direct sunlight and extreme temperatures. If storing for extended periods, it is recommended to remove the batteries to prevent leakage.

6.3. Battery Replacement

When the visual or audible indication becomes weak or inconsistent, it is time to replace the batteries. Follow the battery installation steps in Section 4.1.

7. TROUBLESHOOTING

- **No Indication on Known Live Source:**
 - Check if batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
 - Ensure the tip of the tester is close enough to the conductor.
 - Verify the known live source is indeed live.

- **Intermittent or Weak Indication:**

- Batteries may be low. Replace them.
- Environmental factors such as static electricity or strong electromagnetic fields can sometimes affect readings.

- **False Positives (Indication without known voltage):**

- This can occur in environments with high static electricity or strong electromagnetic interference.
- Ensure the device is not near other electrical equipment that could induce a false reading.

8. SPECIFICATIONS

| Feature | Specification |
|------------------------|-----------------------------------|
| Model | Testboy 11 |
| Part Number | 2220066 |
| Measurement Range | 110 - 1000V AC |
| Overvoltage Category | CAT III 1000V |
| Standard Compliance | IEC/EN 61010-1 (DIN VDE 0411) |
| Detection Method | Capacitive |
| Indication | Visual (LED) and Audible (Buzzer) |
| Power Supply | 2 x AAA batteries (included) |
| Housing Material | Shock/break-resistant ABS plastic |
| Dimensions (L x W x H) | 10 x 10 x 59 mm |
| Weight | 21 grams |
| Color | Red |
| Operating Temperature | Up to 85°C |

9. WARRANTY AND SUPPORT

The Testboy 11 is designed for durability and reliability. Spare parts availability is indicated for 1 year from the date of purchase. For technical support, warranty claims, or service inquiries, please contact your retailer or the manufacturer directly. Please have your model number (2220066) and purchase information ready when contacting support.

Manufacturer: Testboy