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› Testboy TV 465 PRO Appliance Tester Instruction Manual

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Model: TV 465 Pro

1. INTRODUCTION

The Testboy TV 465 PRO is a professional appliance tester designed for verifying the electrical safety of portable appliances. It operates in accordance with the DIN VDE 0701-0702 standards, ensuring precise and reliable test results. This device is mains-independent, features an integrated memory function, and includes software support for convenient data logging and analysis on a PC. Its design prioritizes user-friendliness and efficiency, allowing for quick tests and high battery capacity for extended use.

2. SAFETY INFORMATION

WARNING: This appliance tester should only be operated by qualified personnel with appropriate electrical knowledge. Improper use can lead to electric shock, injury, or damage to the device or tested equipment. Always adhere to local safety regulations and standards.

- Ensure the device is in good working condition before each use.
- Do not use the device if it appears damaged or if any part is compromised.
- Always disconnect the appliance under test from the mains power before connecting or disconnecting test leads.
- Follow all instructions provided in this manual carefully.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Testboy TV 465 PRO Appliance Tester
- Carrying Bag
- Mains Adapter
- Rechargeable Batteries (pre-installed or separate)
- Test Leads with Test Probe
- Crocodile Clips
- Software for PC (for data logging and analysis)

4. PRODUCT OVERVIEW



Figure 1: Front view of the Testboy TV 465 PRO Appliance Tester. The device features a display screen showing "Testboy TV 465" and version information, control buttons (TEST, MEM, ESC, arrow keys), and an integrated Schuko-type socket for appliance connection. The casing is red and black.

The Testboy TV 465 PRO is housed in a robust red and black casing. Key components include:

- **Display Screen:** Shows test results, menu navigation, and device status.
- **Control Buttons:**
 - **TEST Button:** Initiates a test sequence.
 - **MEM Button:** Accesses memory functions for saving and recalling test data.
 - **ESC Button:** Exits menus or cancels operations.
 - **Arrow Buttons (Up/Down):** Navigates through menus and options.
 - **Left/Right Arrow Button:** (Based on image, a button with two horizontal arrows) Likely for navigating between parameters or screens.
- **Integrated Socket:** A Schuko-type socket (16A, 250V~) for direct connection of appliances.
- **Test Lead Connections:** Ports for connecting external test leads and crocodile clips.
- **Power Input:** For the mains adapter to charge rechargeable batteries.

5. SETUP

5.1 Battery Installation and Charging

1. Locate the battery compartment on the device.
2. Insert 6 AA rechargeable batteries, ensuring correct polarity.
3. Close the battery compartment securely.
4. Connect the mains adapter to the device and a power outlet to charge the batteries. The device can perform approximately 2600 tests on a full charge.

5.2 Connecting Test Leads

1. Identify the appropriate ports for test leads on the device.
2. Connect the test leads firmly into their respective ports.
3. Attach the test probe and crocodile clips to the test leads as required for the specific test.

5.3 Software Installation

The included software allows for logging and managing test results on a PC. Refer to the separate software manual or installation guide provided with the software for detailed installation instructions.

6. OPERATION

6.1 Powering On and Initializing

Press and hold the power button (if available, or a specific button combination) to turn on the device. The display will show the Testboy logo and version information (e.g., "VERSION: 1.1.71-TB2").

6.2 Performing a Test

1. Ensure the appliance to be tested is disconnected from mains power.
2. Connect the appliance to the integrated socket or via the test leads and crocodile clips, depending on the appliance type and test requirements.
3. Navigate through the menu using the arrow buttons to select the desired test program (e.g., insulation resistance, protective

conductor resistance, leakage current).

4. Press the **TEST** button to initiate the test sequence.
5. Observe the results on the display. The device provides precise and correct results in accordance with DIN VDE 0701-0702.
6. The device supports "quick tests" for efficient verification.

6.3 Memory Function and Data Logging

1. After a test is completed, press the **MEM** button to save the results.
2. Follow the on-screen prompts to assign a test ID or location if applicable.
3. To retrieve saved data, navigate to the memory menu using the arrow buttons and the **MEM** button.
4. Connect the device to a PC via the appropriate interface (e.g., USB) and use the provided software to read out and manage the logged data.

7. MAINTENANCE

7.1 Cleaning

- Wipe the device casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no moisture enters the device openings.
- Keep the display screen clean and free from scratches.

7.2 Battery Care

- Recharge batteries regularly to maintain optimal performance.
- If the device will not be used for an extended period, remove the batteries to prevent leakage.
- Replace old or damaged rechargeable batteries with new ones of the same type and rating.

7.3 Calibration

Regular calibration by an authorized service center is recommended to ensure the continued accuracy and reliability of the Testboy TV 465 PRO.

8. TROUBLESHOOTING

If you encounter issues with your Testboy TV 465 PRO, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on	Low or depleted batteries; incorrectly installed batteries.	Charge the batteries using the mains adapter; check battery polarity and ensure they are properly seated.
Inaccurate test results	Damaged test leads; device requires calibration.	Inspect test leads for damage and replace if necessary; contact an authorized service center for calibration.
Cannot save test data	Memory full; incorrect operation.	Transfer data to PC and clear device memory; refer to Section 6.3 for correct saving procedure.

If the problem persists, contact Testboy customer support or an authorized service technician.

9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	Testboy TV 465 Pro
Compliance	DIN VDE 0701-0702
Power Source	Battery Powered (6 AA batteries required)
Battery Capacity	Approx. 2600 tests per charge (depending on measurements)
Memory Function	Integrated, with software for PC logging
Product Dimensions	0.39 x 0.39 x 3.72 inches (L x W x H)
Item Weight	2.31 Pounds
Manufacturer	Testboy
First Available Date	October 12, 2016

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Testboy TV 465 PRO Appliance Tester, please contact Testboy directly or refer to their official website. Keep your purchase receipt as proof of purchase for warranty claims. Official Testboy Website: www.testboy.de

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