



Manuals.plus /

› **Weeewooday /**

› Weeewooday BT-168 PRO Digital LCD Universal Battery Tester Instruction Manual

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Model: BT-168 PRO | Brand: Weeewooday

[Introduction](#)

[Safety Information](#)

[Product Overview](#)

[Setup](#)

[Operating Instructions](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Weeewooday BT-168 PRO Digital LCD Universal Battery Tester. This device is designed to quickly and accurately assess the charge level of various household batteries. Please read this manual thoroughly before operation and retain it for future reference.



Figure 1: Two Weewooday BT-168 PRO Digital LCD Universal Battery Testers. These compact, black devices feature an LCD screen and a red sliding contact for battery testing.

2. SAFETY INFORMATION

- Do not attempt to test batteries that are visibly damaged, leaking, or corroded.
- Ensure correct polarity when inserting batteries into the tester. Incorrect polarity may not damage the tester but will result in an inaccurate reading.
- This device is for testing purposes only. Do not use it as a charger or for any other function.
- Keep the device away from water, extreme temperatures, and direct sunlight.
- Do not disassemble or modify the tester.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The Weewooday BT-168 PRO is a compact, digital battery tester designed for ease of use. It features an LCD display for clear voltage readings and adjustable contacts to accommodate various battery sizes.

Key Features:

- **Digital LCD Display:** Provides precise voltage readings.
- **Universal Compatibility:** Tests AA, AAA, C, D, 9V, 1.5V button cells, and various 3.7V rechargeable batteries (e.g., 18650, 16340, 14500, 10440, 21700).
- **Self-Powered:** Operates without its own battery, drawing power from the battery being tested.
- **Portable Design:** Small and lightweight for convenient storage and transport.

Digital LCD Universal Battery Tester

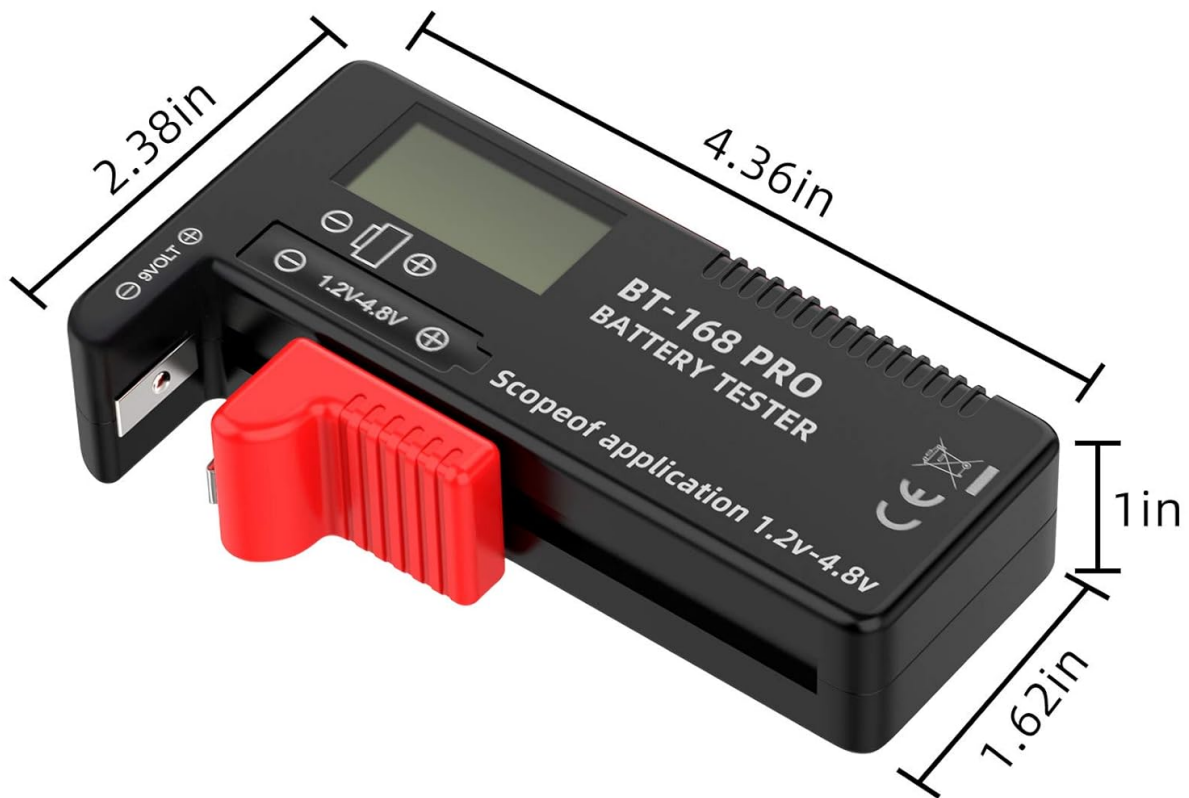


Figure 2: Dimensions of the BT-168 PRO battery tester, showing its compact size: approximately 4.36 inches long, 1.62 inches wide, and 1 inch thick.

4. SETUP

The Weewooday BT-168 PRO requires no initial setup or batteries. It is ready for use directly out of the packaging.

5. OPERATING INSTRUCTIONS

Follow these steps to test various battery types:

5.1. Testing Standard Cylindrical Batteries (AA, AAA, C, D, 18650, etc.)

1. Locate the adjustable red slider on the side of the tester.

2. Place the negative end of the battery against the fixed negative contact point (usually on the left side of the tester).
3. Slide the red adjustable contact to firmly touch the positive end of the battery. Ensure good contact.
4. Read the voltage displayed on the LCD screen.

A Professional And Convenient Battery Measurement Tool



Figure 3: The BT-168 PRO tester demonstrating its compatibility with various battery types, including AAA, AA, C, D, 18650, 16340, 14500, 10440, 21700, CR2032, LR44, L736, and 9V batteries.

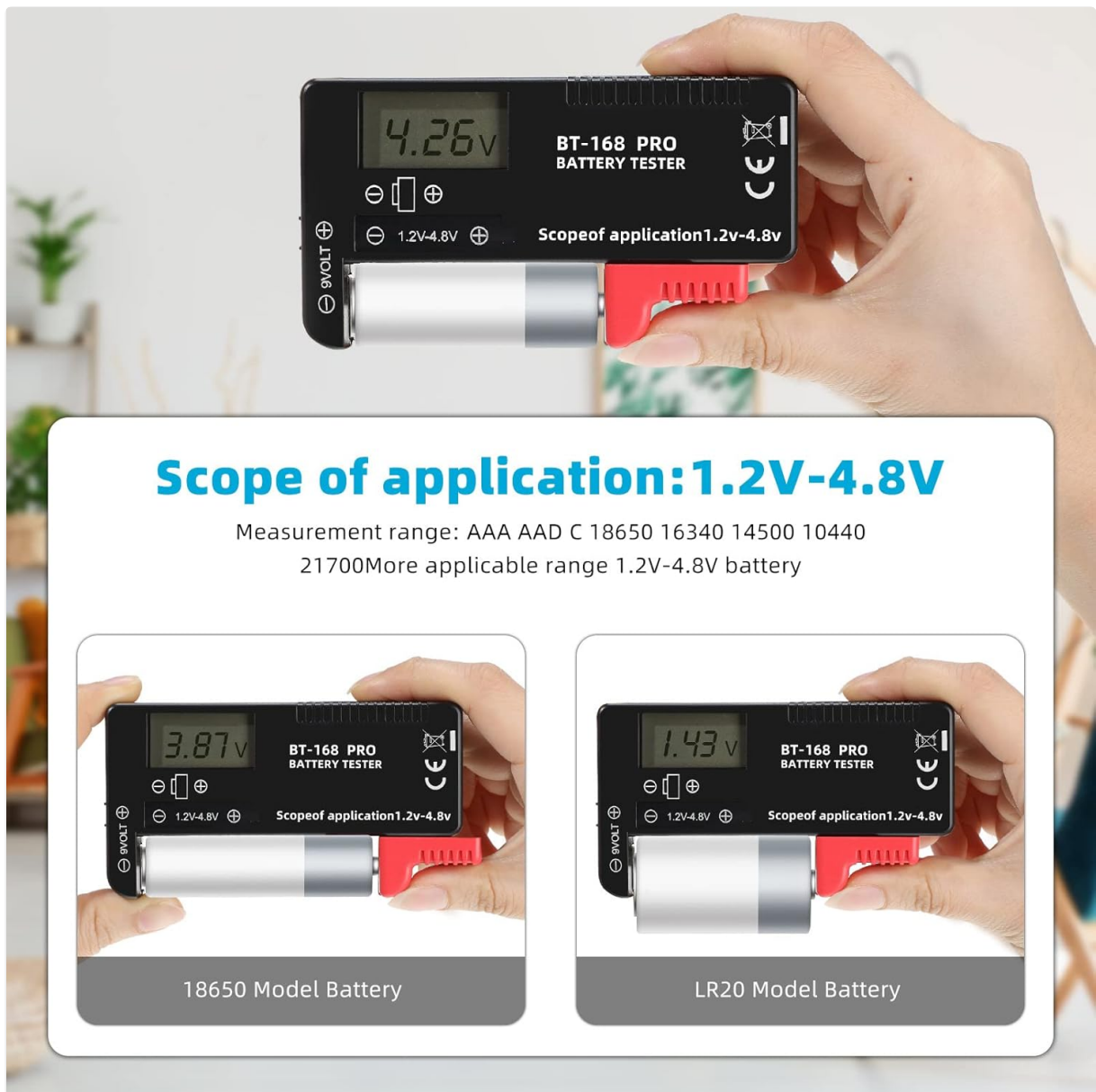


Figure 4: The tester displaying voltage readings for an 18650 battery (top) and an LR20 battery (bottom), illustrating the adjustable contact mechanism.

5.2. Testing 9V Batteries

1. Locate the two small holes labeled "9VOLT" on the top left side of the tester.
2. Align the positive and negative terminals of the 9V battery with the corresponding holes on the tester.
3. Gently press the 9V battery onto the contacts.
4. Read the voltage displayed on the LCD screen.

G6F22M Model Battery

As shown in the figure: the positive and negative poles of the cell are aligned with the positive and negative poles on the detector



Figure 5: A 9V battery being tested by connecting its terminals to the dedicated 9V contacts on the BT-168 PRO tester, with the voltage displayed on the screen.

5.3. Testing Button Cell Batteries (CR2032, LR44, L736, etc.)

1. Place the negative side of the button cell against the fixed negative contact.
2. Use the red adjustable slider to make contact with the positive side of the button cell.
3. Read the voltage displayed on the LCD screen.



Figure 6: The BT-168 PRO tester displaying a voltage reading while testing a button cell battery, using the adjustable slider.

Interpreting Readings:

The LCD display shows the current voltage of the battery. Compare this reading to the nominal voltage of the battery type being tested to determine its charge level. For example:

- **1.5V Batteries (AA, AAA, C, D):** A reading near 1.5V indicates a full charge. Readings below 1.2V typically indicate a depleted battery.
- **9V Batteries:** A reading near 9V indicates a full charge. Readings below 7.5V typically indicate a depleted battery.
- **3.7V Rechargeable Batteries (18650, etc.):** A reading near 4.2V (fully charged) down to 3.0V (depleted).

6. MAINTENANCE

- **Cleaning:** Wipe the tester with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and moisture.
- **Avoid Impact:** Protect the tester from drops and impacts to prevent damage to the internal components and LCD screen.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or inaccurate reading	Poor contact with battery terminals.	Ensure the battery is firmly pressed against both contacts and the slider is making good connection.
No display or inaccurate reading	Battery is completely dead.	The tester draws power from the battery being tested. If the battery is completely depleted, the tester may not power on. Try testing a known good battery.
Display shows "0.00V" for a new battery	Incorrect battery type for the tester's range or faulty unit.	Verify the battery type is within the tester's supported range (1.2V-4.8V for cylindrical, 9V for 9V batteries). If issues persist with multiple known good batteries, the unit may be defective.

8. SPECIFICATIONS

- **Model:** BT-168 PRO
- **Brand:** Weewooday
- **Display:** Digital LCD
- **Power Source:** Battery under test (no internal battery required)
- **Compatible Battery Types:**
 - 1.5V: AAA, AA, C, D, Button Cells (e.g., LR44, L736)
 - 9V: 9V Block Batteries (e.g., 6F22)
 - 3.7V: Rechargeable Lithium Batteries (e.g., 18650, 16340, 14500, 10440, 21700)
- **Dimensions:** Approximately 4.36 x 1.62 x 1 inches (11.07 x 4.11 x 2.54 cm)
- **Weight:** Approximately 3.52 ounces (100 grams)
- **Color:** Black, Red

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's return policy or contact Weewooday customer service through their official channels. Please retain your proof of purchase for any warranty claims.