

DLYFULL B1L, B4

Dlyfull B1L Small Battery Tester and B4 Universal Battery Tester Instruction Manual

Model: B1L, B4 | Brand: DLYFULL

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Dlyfull B1L Small Battery Tester and Dlyfull B4 Universal Battery Tester. These devices are designed to accurately measure the remaining power and voltage of various battery types, helping you determine their health and optimize their usage. Please read this manual thoroughly before operating the testers and retain it for future reference.



Figure 1.1: Dlyfull B1L Small Battery Tester and D4 Universal Battery Tester with included AAA batteries.

2. PRODUCT OVERVIEW

2.1 Dlyfull B4 Universal Battery Tester

The Dlyfull B4 is a versatile battery tester compatible with a wide range of battery types. It features a smart LCD display for clear readings and a self-check function.

- **Robust Compatibility:** Compatible with 12 battery types, including 1.2V Ni-MH, 1.45V Zinc Air, 1.5V Alkaline, 3.0V Lithium Manganese, 3.2V LiFePO4, 3.7V Li-ion, 6.0V, 9.0V, and 12.0V Alkaline packs. Supports AAA, AA, C, SC, D, N sizes, button cells, CR123A, CR-V3, 2CR5, 23A, 27A, and more.
- **Smart LCD Display:** Features a sophisticated LCD display screen that showcases the voltage and battery level of the tested battery. The battery level is presented as a percentage and a battery level bar display.
- **Check Button:** Includes a self-check button. Press and hold for about 3 seconds to perform a self-check and view the power status of the batteries powering the device.

Powerful Compatibility

Accurately tests over 12 different types of batteries, ensuring optimal performance for all your devices.



Figure 2.1: The Dlyfull B4 Universal Battery Tester demonstrating its powerful compatibility with over 12 different battery types.

Smart LCD Display - Battery Status at a Glance

Battery Remaining
Power

Battery Remaining
Percentage

Battery Voltage



CHECK: Press and hold for about 3 seconds to check the battery level on the back, so you can replace the battery in time.



Figure 2.2: Close-up of the Dlyfull B4's smart LCD display showing battery remaining power, percentage, and voltage. The image also indicates the location of the battery compartment.

2.2 Dlyfull B1L Small Battery Tester

The Dlyfull B1L is a compact and portable battery tester designed for quick and easy assessment of common household batteries.

- **High Compatibility:** Compatible with a wide range of 1.5V AAA, AA, C, D alkaline batteries, 9V batteries, and button-cell batteries.
- **Quick Results:** No built-in power supply required. Simply align the positive and negative terminals of the battery under test to quickly obtain its health status via the analog meter.

Suitable for Various Batteries

Alkaline Cylindrical Battery



D



C



AA



AAA

Button Cell Batteries



1.5V Cell

9V Batteries



9V Batteries



Figure 2.3: The Dyfull B1L Small Battery Tester is suitable for various common battery types, including alkaline cylindrical, button cell, and 9V batteries.

Compact and Portable One-Handed Operation



Figure 2.4: The Dlyfull B1L tester's compact dimensions (59mm x 109mm x 25-40mm) allow for easy one-handed operation and portability.

3. SETUP

3.1 Dlyfull B4 Universal Battery Tester

The Dlyfull B4 requires two AAA batteries for operation (included with purchase). Follow these steps to install them:

1. Locate the battery compartment on the back of the B4 tester.
2. Slide open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+ and - ends match the markings inside the compartment).
4. Close the battery compartment cover securely.

Low-Power Battery Tester

Ensuring quality and performance, it also saves energy, making it an eco-friendly choice. With just one, you're covered for your daily needs.



Figure 3.1: The battery compartment of the Dlyfull B4 tester, where 2x AAA batteries are inserted to power the device.

3.2 Dlyfull B1L Small Battery Tester

The Dlyfull B1L does not require any internal batteries for operation. It draws power directly from the battery being tested. No setup is required beyond unboxing.

4. OPERATION

4.1 Using the Dlyfull B4 Universal Battery Tester

To test a battery with the Dlyfull B4, follow these general steps:

1. Identify the correct testing slot or contact points on the B4 for your battery type. The tester has various designated areas for different battery sizes and voltages.
2. Carefully insert the battery into the appropriate slot or connect its terminals to the designated contact points, ensuring correct polarity. The B4 is equipped with polarity markings to guide accurate insertion.
3. The LCD display will immediately show the battery's voltage and remaining power as a percentage and a bar

graph.

4. To check the B4's internal battery status, press and hold the 'CHECK' button for approximately 3 seconds.

Battery Testing Demonstration



Figure 4.1: Demonstrations of testing various battery types (1.5V Alkaline, 9V, 3V Li CR-types, CR2/CR123A) using the Diyfull B4 Universal Battery Tester.

Polarity Guidance Indicator

Universal battery tester is equipped with polarity markings to ensure easy and accurate insertion of batteries, enhancing testing accuracy and safety.



Figure 4.2: The Dlyfull B4 Universal Battery Tester features clear polarity markings to ensure easy and accurate insertion of batteries, enhancing testing accuracy and safety.

4.2 Using the Dlyfull B1L Small Battery Tester

To test a battery with the Dlyfull B1L, follow these steps:

1. For 1.5V AAA, AA, C, D alkaline batteries: Place the positive (+) end of the battery against the fixed positive contact point and extend the movable arm to touch the negative (-) end.
2. For 9V batteries: Align the battery's terminals with the corresponding contacts on the tester.
3. For button-cell batteries: Place the battery between the designated contact points.
4. Observe the needle on the analog meter. The needle will point to a section indicating the battery's charge level (e.g., 'Good', 'Low', 'Replace').

Quickly Test Button Cell Batteries and 9V Batteries



Figure 4.3: Demonstrations of quickly testing button cell batteries and 9V batteries using the Dlyfull B1L Small Battery Tester.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Dlyfull battery testers.

- **Cleaning:** Wipe the testers with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface or internal components.
- **Storage:** Store the testers in a cool, dry place away from direct sunlight and extreme temperatures. Keep them out of reach of children.
- **Battery Replacement (B4):** If the Dlyfull B4's display becomes dim or unresponsive, replace the two AAA batteries in the compartment on the back of the device.

6. TROUBLESHOOTING

If you encounter issues with your Dlyfull battery testers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dlyfull B4 display is blank or dim.	Low or dead internal AAA batteries.	Replace the two AAA batteries in the B4 tester.
Dlyfull B4/B1L shows inaccurate readings.	Incorrect battery insertion or poor contact.	Ensure the battery is inserted with correct polarity and makes firm contact with the terminals. Clean contact points if necessary.
Dlyfull B1L needle does not move.	Battery is completely dead or not making contact.	Verify battery is making proper contact. If still no reading, the battery may be fully discharged.
Tester appears damaged.	Physical impact or liquid exposure.	Discontinue use. Contact DLYFULL customer support for assistance.

7. SPECIFICATIONS

Key technical specifications for the Dlyfull B1L and B4 Battery Testers:

Feature	Specification
Brand	DLYFULL
Model Numbers	B1L, B4
Power Source (B4)	Battery Powered (2 x AAA)
Power Source (B1L)	Battery under test
Color	Black
Measurement Type	Voltmeter
B4 Compatible Battery Types	1.2V Ni-MH, 1.45V Zinc Air, 1.5V Alkaline, 3.0V Lithium Manganese, 3.2V LiFePO4, 3.7V Li-ion, 6.0V, 9.0V, 12.0V Alkaline packs, AAA, AA, C, SC, D, N, button cells, CR123A, CR-V3, 2CR5, 23A, 27A
B1L Compatible Battery Types	1.5V AAA, AA, C, D alkaline batteries, 9V batteries, button-cell batteries

8. WARRANTY AND SUPPORT

DLYFULL products are designed for reliability and performance. For specific warranty details, please refer to the product packaging or the official DLYFULL website. Generally, products purchased on Amazon.com are eligible for a 30-day return policy for refunds or replacements.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact DLYFULL customer service directly. Contact information can typically be found on the manufacturer's website or through your purchase platform.