

Cnbj-611

Generic Cnbj-611 Automotive Current Tester User Manual

Model: Cnbj-611

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1. INTRODUCTION

This manual provides instructions for the safe and effective use of the Generic Cnbj-611 Automotive Current Tester. This device is designed to accurately measure current in automotive electrical circuits, aiding in the diagnosis of electrical faults in both passenger and commercial vehicles.

The Cnbj-611 features a backlit display for clear visibility and a compact design for portability, making it suitable for various testing environments, including garages, roadside assistance, and repair shops.

2. SAFETY INFORMATION

WARNING: Always exercise caution when working with automotive electrical systems. Incorrect use can lead to electrical shock, damage to the vehicle, or personal injury.

- Ensure the vehicle's ignition is off before connecting or disconnecting the tester, unless specific test procedures require otherwise.
- Do not exceed the maximum rated voltage of 48V or current of 20A for more than 10 seconds.
- Wear appropriate personal protective equipment, such as safety glasses and insulated gloves.
- Keep the device dry and clean. Do not use in wet conditions.
- Do not attempt to repair or modify the device. Refer all servicing to qualified personnel.
- Ensure proper battery installation as specified in the setup section.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Generic Cnbj-611 Automotive Current Tester
- 1 x Small Plug (Fuse Adapter)

- 1 x Medium Plug (Fuse Adapter)
- Other included components: 65r1vb

PRODUCT PARAMETERS



Figure 1: Product Parameters and Components. This image illustrates the main unit of the automotive current tester, along with the small and medium fuse plugs. Key parts like the lighting LED, lighting key, LCD display, battery cover, and power button are labeled on the main unit. The fuse socket is shown on the medium plug.

4. SETUP

4.1 Battery Installation

The Cnbj-611 requires one 12V 23A battery (not included) for operation.

1. Locate the battery cover on the back of the tester unit.
2. Carefully remove the battery cover.
3. Insert one 12V 23A battery, ensuring correct polarity (+/-).
4. Replace the battery cover securely.



Figure 2: Battery Installation. This image shows the underside of the current tester with the battery cover removed, revealing the compartment for the 12V 23A battery.

4.2 Connecting the Fuse Adapter

Select the appropriate fuse adapter (small or medium plug) for the vehicle's fuse box.

1. Identify the fuse type in the circuit you wish to test.
2. Insert the corresponding fuse adapter into the fuse socket of the main tester cable.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- Press the Power button (labeled with a circle and vertical line) to turn the device on.
- Press and hold the Power button to turn the device off.



LCD high-definition display

provides clear visibility at a glance
with a built-in blue backlight for effortless viewing day or night.



Figure 3: LCD High-Definition Display. This image highlights the tester's LCD screen, which provides clear visibility of current readings with a blue backlight for use in various lighting conditions. The power button is visible below the screen.

5.2 Performing a Current Test

1. **Preparation:** Ensure the vehicle's ignition is off. Identify the fuse of the circuit you intend to test.
2. **Remove Fuse:** Carefully remove the fuse from the vehicle's fuse box.
3. **Insert Tester:** Insert the appropriate fuse adapter (with the tester connected) into the empty fuse slot. Ensure a secure connection.
4. **Power On:** Turn on the Cnbj-611 tester.
5. **Activate Circuit:** Turn on the vehicle's ignition or the specific component (e.g., headlights, radio) associated with the tested circuit.
6. **Read Measurement:** The current reading will be displayed on the LCD screen in Amperes (A). The device measures current from 0.01A to 19.99A with an accuracy of $\pm 2\%$.
7. **Backlight:** Press the Lighting Key (flashlight icon) to activate the integrated front light for improved visibility in low-light conditions.
8. **Complete Test:** Once the measurement is complete, turn off the vehicle's ignition/component, then turn off the tester.
9. **Remove Tester:** Carefully remove the tester and reinsert the original fuse into its slot.

Automotive Current Tester

Ideal for Fault Finding on Car or Commercial Vehicle Electrical Circuit



Figure 4: Tester in Operation. This image shows the Cnbj-611 Automotive Current Tester connected to a vehicle's fuse box, actively displaying a current measurement. This demonstrates its use for fault finding in automotive electrical circuits.

5.3 Interpreting Readings

A stable current reading indicates normal operation for the activated circuit. Fluctuating or unexpectedly high/low readings may indicate a fault. Compare readings with vehicle specifications or known good values to diagnose issues.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace the 12V 23A battery when the display becomes dim or the device fails to power on. Always dispose of old batteries responsibly.
- **Inspection:** Periodically inspect the cables and connectors for any signs of wear or damage. Do not use if damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed battery.	Check battery polarity. Replace with a new 12V 23A battery.
No current reading displayed.	Tester not properly connected to fuse slot. Circuit not active (ignition off, component off). Original fuse is blown.	Ensure secure connection. Activate the circuit being tested. Check the original fuse; replace if necessary before testing.
Inaccurate or fluctuating readings.	Poor connection. Intermittent fault in the circuit. Battery low.	Re-seat the tester firmly. Investigate the circuit for loose wires or components. Replace battery.

8. SPECIFICATIONS

- **Model:** Cnbj-611
- **Measurement Range:** 0.01A - 19.99A
- **Accuracy:** $\pm 2\%$
- **Maximum Load:** 20A 48V (for 10 seconds)
- **Power Source:** 1x 12V 23A Battery (not included)
- **Dimensions:** Approximately 45mm x 30mm x 110mm (1.77in x 1.18in x 4.33in)
- **Cable Length:** Approximately 66cm (2.16ft)
- **Display:** Backlit LCD
- **Color:** Blue



Figure 5: Product Dimensions. This image provides detailed measurements of the CnBJ-611 Automotive Current Tester, including its length, width, and height in both centimeters and inches, along with the cable length.

SMALL AND PORTABLE



Figure 6: Small and Portable Design. This image demonstrates the compact size of the current tester, held easily in one hand, emphasizing its portability for on-site use.

9. WARRANTY AND SUPPORT

Information regarding warranty and customer support for this Generic product is not explicitly provided in the product details. For any issues or inquiries, please refer to the retailer or seller from whom the product was purchased.

The product is typically subject to the return policy of the retailer, which for this item is a 30-day refund/replacement policy.