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› [NOYAFA NF-821 GFCI Outlet Tester User Manual](#)

## NOYAFA NF-821

### NOYAFA NF-821 GFCI Outlet Tester User Manual

Model: NF-821

#### PRODUCT OVERVIEW

The NOYAFA NF-821 is a high-definition LCD display GFCI outlet tester designed for standard 3-wire 120V electrical receptacles. It provides quick and accurate detection of common wiring issues and verifies GFCI functionality, ensuring electrical safety in residential and commercial settings.



Figure 1: NOYafa NF-821 GFCI Outlet Tester, front view with display showing "CORRECT" wiring.

## SAFETY INFORMATION

- Always ensure the tester is in good working condition before use.
- Do not attempt to test circuits beyond the specified voltage range (120V AC).
- Before testing GFCI functionality, turn off all electrical appliances connected to the circuit to prevent potential damage or data loss.
- This device is intended for testing standard 3-wire 120V AC outlets only.
- Keep the device dry and clean. Do not expose to moisture or extreme temperatures.

## PACKAGE CONTENTS

- NOYafa NF-821 GFCI Outlet Tester
- User Manual (this document)

- *Note: AAA batteries are required and not included.*

## SETUP

### Battery Installation

The NF-821 requires two AAA batteries for operation. These batteries are not included in the package.

1. Locate the battery compartment on the back of the device.
2. Using a small screwdriver, carefully open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+ and -).
4. Replace the battery compartment cover and secure it with the screw.



01

#### Hd digital display large screen

Imported digital display,  
clear picture quality

02

#### HTV Silicone

High quality silicone  
appearance  
material, durable



03

#### Metallic Texture

Titanium gold texture,  
solid three plugs



Figure 2: Detailed view of the NF-821 showing its components, including the area where the battery compartment is typically located.

## OPERATING INSTRUCTIONS

## Basic Outlet Testing

The NF-821 provides immediate feedback on outlet wiring status and voltage.

1. Plug the NF-821 tester into the 3-prong 120V AC outlet you wish to test.
2. Press and hold the power button (labeled with a power icon) to turn on the device. The LCD display will illuminate.
3. Observe the LCD display and the indicator light at the end of the tester.
4. The display will show the wiring status (e.g., "CORRECT", "OPEN HOT", "OPEN GROUND") and the detected voltage (e.g., "110 VAC"). The indicator light will be green for correct wiring or red for errors.

## Powerful Function Plug into socket for immediate test

Can easily handle circuit detection ,  
without electrician.



Figure 3: The NF-821 plugged into a wall socket, displaying "CORRECT" wiring and "110 VAC".





Figure 4: Examples of various socket wiring errors detected by the NF-821, including "OPEN HOT", "OPEN GROUND", and "HOT/NEU REV".

## GFCI Function Testing

To test the functionality of a Ground Fault Circuit Interrupter (GFCI) outlet:

1. Ensure the NF-821 is plugged into a GFCI outlet and displaying "CORRECT" wiring.
2. Press the "GFCI" button on the tester.
3. A working GFCI outlet should trip, cutting power to the outlet. The tester's display will show the trip time in milliseconds (e.g., "009 SEC" which indicates 9ms). The indicator light will turn red.
4. If the GFCI does not trip, it indicates a malfunction and the outlet should be serviced by a qualified electrician.
5. To restore power, press the "RESET" button on the GFCI outlet.



Figure 5: The NF-821 illustrating the GFCI trip test, showing the display before and after a successful trip.

## Hold Function

The hold function allows you to view the test results after unplugging the device from the outlet.

- While the tester is plugged in and displaying results, briefly press the power button. The display will show "HOLD".
- You can now unplug the tester, and the last measured values will remain on the screen for easier reading or documentation.
- Press the power button again to exit the hold mode.

## MAINTENANCE

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.
- **Battery Replacement:** Replace batteries when the battery indicator on the LCD display shows low power.

## TROUBLESHOOTING

| Problem                                       | Possible Cause                           | Solution   |
|---|--|--|
| Device does not turn on.                      | Dead or incorrectly installed batteries. | Check battery polarity. Replace with fresh AAA batteries.          |
| Display shows "OPEN HOT", "OPEN GROUND", etc. | Wiring error in the outlet.              | Consult a qualified electrician to inspect and correct the wiring. |

| Problem                         | Possible Cause                      | Solution   |
|---------------------------------|-------------------------------------|--|
| GFCI does not trip when tested. | Faulty GFCI outlet or wiring issue. | Ensure all appliances are unplugged. If it still doesn't trip, the GFCI outlet is defective and needs replacement by an electrician. |
| Display is dim or flickering.   | Low battery power.                  | Replace batteries.   |


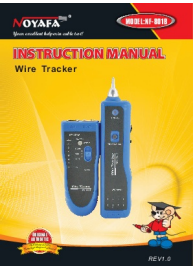

SPECIFICATIONS

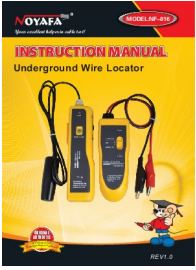


- **Model:** NF-821
- **Brand:** NOYAFA
- **Operating Voltage:** 120V AC (Standard 3-wire receptacle)
- **Battery Type:** 2 x AAA batteries (not included)
- **Display:** High-Definition LCD
- **Dimensions:** Approximately 7.01 x 4.13 x 1.97 inches
- **Weight:** Approximately 4.2 ounces
- **Certifications:** CE
- **UPC:** 772093266709

WARRANTY AND SUPPORT

Specific warranty information for the NOYAFA NF-821 GFCI Outlet Tester is not provided in this manual. For warranty claims, technical support, or further inquiries, please refer to the product packaging or contact NOYAFA customer service directly through their official website or the retailer from whom the product was purchased. You can visit the NOYAFA Store on Amazon for more information:[NOYAFA Store](#)

Related Documents - NF-821

|   |   |
|---|---|
|  | <p><a href="#">NOYAFA NF-8509 Wire Tracker and Multimeter User Manual   Cable Testing &amp; Measurement Tool</a></p> <p>User manual for the NOYAFA NF-8509, a multifunctional digital multimeter and wire tracer designed for cable testing and electrical measurement. Features include wire scanning, wire mapping, length testing, POE detection, AC/DC voltage, continuity, resistance, and more.</p> |
|  | <p><a href="#">NOYAFA NF-801B Wire Tracker Instruction Manual</a></p> <p>Comprehensive instruction manual for the NOYAFA NF-801B Wire Tracker, detailing its interfaces, functions, specifications, and usage for tracing and testing telephone, network, and electric wires.</p>   |
|  | <p><a href="#">NOYAFA NF-801B/NF-801R Wire Tracker Instruction Manual</a></p> <p>Official instruction manual for NOYAFA NF-801B and NF-801R wire trackers. Learn how to test, trace, and identify network, telephone, and electric cables with detailed guides and specifications.</p>  |

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|   | <p><a href="#">NOYafa NF-816 Underground Wire Locator Instruction Manual</a></p> <p>Comprehensive instruction manual for the NOYafa NF-816 Underground Wire Locator, detailing its operation, specifications, and maintenance for tracing non-energized wires, locating circuit breakers, and measuring depth.</p>             |
|  | <p><a href="#">Noyafa NF-825TMR Circuit Breaker Finder and Socket Tester User Manual</a></p> <p>Comprehensive user manual for the Noyafa NF-825TMR, a circuit breaker finder and socket tester. Learn about its features, operation, and safety precautions for electrical testing.</p>  |
|  | <p><a href="#">NOYafa NF-8509 Wire Tracker with Multimeter User Manual</a></p> <p>Comprehensive user manual for the NOYafa NF-8509, detailing its wire tracking and digital multimeter functions, operating instructions, specifications, and packing list. Essential guide for cable testing and electrical measurements.</p> |