

NOYAFA NF-859GS

NOYAFA NF-859GS Network Cable Tester User Manual

Model: NF-859GS

1. INTRODUCTION

The NOYAFA NF-859GS is a multi-functional network cable tester designed for comprehensive network and telephone line inspection. It integrates various testing capabilities including Power over Ethernet (PoE) detection, RJ45 and RJ11 cable testing for CAT5, CAT5E, CAT6, and CAT6A cables, continuity detection, cable length measurement, and cable tracking. This manual provides detailed instructions for the safe and effective operation of your device.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product to prevent electric shock, fire, or injury. Keep this manual for future reference.

- Do not use the device near water or in damp environments.
- Ensure the device is powered off before connecting or disconnecting cables.
- Do not attempt to repair or modify the device yourself. Refer all servicing to qualified personnel.
- Use only specified accessories and power sources.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Always wear appropriate personal protective equipment when working with electrical systems.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- NF-859GS Main Tester Unit
- NF-859GS Receiver Unit
- RJ45 Adapter Cable
- RJ11 Adapter Cable
- Alligator Clip Cable
- User Manual
- Carrying Pouch

4. PRODUCT OVERVIEW

The NF-859GS consists of a main tester unit with an LCD display and control buttons, and a receiver unit for cable tracing and identification.



Figure 4.1: NOYFA NF-859GS Network Cable Tester main unit and receiver. The main unit features an LCD screen and navigation buttons, while the receiver unit has LED indicators for signal strength and cable identification.

4.1 Main Tester Unit

- **LCD Display:** Shows test results, cable status, length, and other relevant information.
- **RJ45 Port:** For testing Ethernet cables.
- **RJ11 Port:** For testing telephone lines.
- **Control Buttons:** Power, Left, Enter, Right, ESC for navigation and function selection.

4.2 Receiver Unit

- **Signal Light:** Indicates detected signal strength during cable tracing.

- **RJ45 Port:** For connecting the remote end of the cable during tracing or continuity tests.
- **LED Indicators:** For displaying wire map results (e.g., open, short, cross).
- **Sensitivity Adjustment:** Dial to adjust the sensitivity for cable tracing.

5. SETUP AND BASIC OPERATION

5.1 Powering On/Off

- To power on the main unit, press and hold the **Power** button.
- To power off, press and hold the **Power** button again until the display turns off.

5.2 Navigation

- Use the **Left** and **Right** buttons to navigate through menu options.
- Press the **Enter** button to confirm a selection or start a test.
- Press the **ESC** button to return to the previous menu or exit a function.

6. OPERATING MODES AND FUNCTIONS

6.1 Network Cable Testing (RJ45, RJ11)

This function tests the continuity and wiring sequence of RJ45 (CAT5, CAT5E, CAT6, CAT6A) and RJ11 (CAT3) cables.

1. Connect one end of the cable to the RJ45 or RJ11 port on the main tester unit.
2. Connect the other end of the cable to the corresponding port on the receiver unit.
3. Select the "Continuity Test" or "Wire Map" function from the main menu.
4. Press **Enter** to start the test. The LCD will display the wiring status (e.g., straight-through, crossover, open, short).

6.2 Cable Length Measurement

Accurately measures the length of network cables (2.5-200 meters) and identifies fault distances.

1. Ensure the cable is disconnected from all network devices.
2. Connect one end of the cable to the RJ45 port on the main tester unit. The other end should be open.
3. Select the "Length Measurement" function from the main menu.
4. Press **Enter** to start the measurement. The LCD will display the cable length and any detected fault distances (e.g., open circuit, short circuit).

6.3 PoE Testing

Detects Power over Ethernet (PoE) presence, voltage, and standard (802.3af/at).

1. Connect the network cable from the PoE source to the RJ45 port on the main tester unit.
2. Select the "PoE Test" function from the main menu.
3. Press **Enter**. The display will show PoE voltage, polarity, and the PoE standard (IEEE 802.3af/at or non-standard).

6.4 Cable Tracking (Toner Function)

Locates and identifies specific cables within a bundle or wall.

1. Connect the cable to be traced to the RJ45 or RJ11 port on the main tester unit.
2. Select the "Scan" or "Cable Tracking" function on the main unit. Choose between "Normal Mode", "Anti-interference Mode", or "PoE Mode" as needed.
3. Turn on the receiver unit and adjust its sensitivity.

4. Move the receiver unit along the suspected cable path. The signal light and audible tone on the receiver will indicate the presence of the traced cable.

6.5 Port Flash

Helps locate the corresponding network port on a switch or router by causing its indicator light to flash.

1. Connect the network cable from the main tester unit's RJ45 port to an active port on a switch or router.
2. Select the "Port Flash" function from the main menu.
3. The main unit will send a signal that causes the connected port's indicator light on the switch/router to flash, allowing for easy identification. This function supports 10M/100M/1000M hubs/switches.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in its carrying pouch in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery:** If the device uses replaceable batteries (not specified, assuming internal rechargeable or standard AA/AAA), ensure they are charged or replaced as needed. Remove batteries if storing for extended periods to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device or replace batteries.
Inaccurate cable length measurement.	Cable not properly disconnected from devices; incorrect cable type selected.	Ensure cable is open-ended; verify cable type settings if applicable.
No signal during cable tracing.	Receiver sensitivity too low; main unit not in scan mode; cable not connected.	Increase receiver sensitivity; ensure main unit is in scan mode; check cable connections.
PoE test shows no power.	PoE source is off or faulty; cable issue.	Verify PoE source functionality; test cable continuity.

9. SPECIFICATIONS

Brand	NOYAFA
Model Number	NF-859GS
Cable Types Tested	RJ45 (CAT5, CAT5E, CAT6, CAT6A), RJ11 (CAT3)
Cable Length Measurement Range	2.5 - 200 meters
PoE Standards Supported	IEEE 802.3af, IEEE 802.3at
Maximum Operating Voltage	60 Volts
Item Weight	1.3 pounds (approximately 0.59 kg)
Package Dimensions	11.57 x 6.5 x 2.24 inches (approximately 29.4 x 16.5 x 5.7 cm)







10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official NOYafa website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact NOYafa customer service via their official channels. Please have your model number (NF-859GS) and purchase date ready.



Related Documents - NF-859GS

	<p>NOYafa NF-8506 Ethernet Cable Tester User Manual</p> <p>This user manual provides comprehensive instructions for operating the NOYafa NF-8506 Ethernet Cable Tester, covering its functions, specifications, and packing list. It details various tests including continuity, cable tracking, port flash, cable length measurement, PoE test, Ping test, IP scan, and switch test.</p>
	<p>NF-8209S Network Cable Tester User Manual - Features, Operation, and Specifications</p> <p>Comprehensive user manual for the NOYafa NF-8209S Network Cable Tester. Covers product overview, detailed operation instructions for continuity testing, length measurement, cable scanning, PoE testing, port flash, QC testing, technical parameters, and troubleshooting. Includes multilingual support.</p>
	<p>NOYafa NF-8601S TDR Cable Length Tester - Instruction Manual and Guide</p> <p>Comprehensive instruction manual for the NOYafa NF-8601S TDR Cable Length Tester, detailing its features, functions, operation, testing procedures, and technical specifications for network, telephone, and coaxial cables.</p>
	<p>Noyafa NF-8508: Instrukcja Obsługi Testera Okablowania LCD, Miernika Mocy Optycznej i VFL</p> <p>Kompleksowa instrukcja obsługi testera okablowania Noyafa NF-8508, zawierająca szczegółowe informacje o funkcjach takich jak pomiar mocy optycznej, VFL, test PoE, lokalizacja kabli, ciągłość, długość i wiele więcej.</p>
	<p>NOYafa NF-300 Network Cable Tester User Manual</p> <p>Comprehensive user manual for the NOYafa NF-300 network cable tester, detailing its features, specifications, and operation for testing LAN cables. Includes troubleshooting and safety information.</p>
	<p>NOYafa NF-8209 Pro Network Cable Tester User Manual</p> <p>Comprehensive user manual for the NOYafa NF-8209 Pro Network Cable Tester. This guide details device features, operational procedures for SCAN, CONT, Length, PoE testing, Port Flash, QC testing, NCV detection, and settings. Includes technical parameters, packing list, and FAQ for effective cable management and troubleshooting.</p>