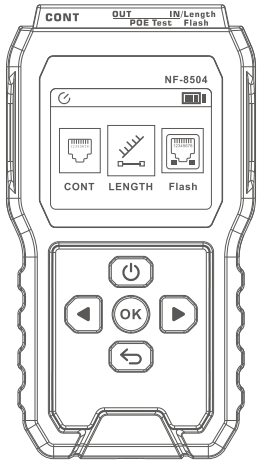
POE Cable Tester

NF-8504



User Manual

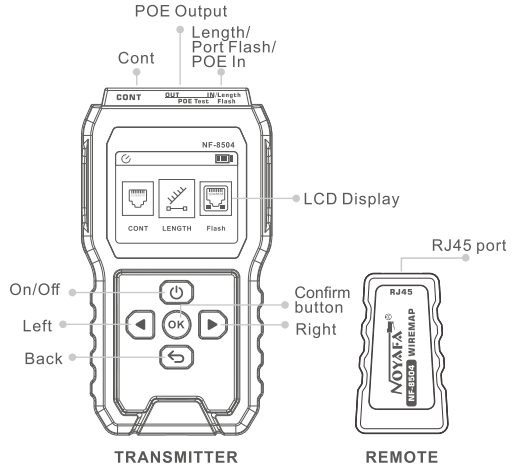
VER:V1

Dear user, thank you for purchasing this product. Please read the instructions carefully before use.

Please read the safety precautions Carefully before using or servicing this product.

- Do not place this instrument in a dusty, humid, or high-temperature environment.
- Do not disassemble this instrument by yourself. Maintenance and repair should be carried out by professionals.
- This instrument is powered by a polymer lithium battery. When not in use for a long time, it is recommended to charge the instrument once every 6 months.
- Do not perform any operations related to communication lines during thunderstorms to avoid being struck by lightning and endangering personal safety.

Buttons and Ports



Function Instruction

1.Power On/Off

Long-press the "⏻" key to turn the device on or off.

2.Cable Continuity Test

①Remote Alignment

Insert one end of the lan cable into the "Cont" port, then insert the other end into the remote terminal, select the "Cont" icon, press the "OK" button to enter the "Start Test" and Calibration menu, press the "◀" "▶" key to select "Start Test", and then press the "OK" key to start.

②Continuity Calibration

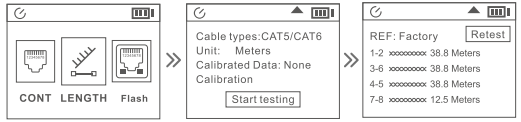
Insert the cable into the device,Select the"Cont"icon,press the" OK " key to enter the "Continuity Calibration" and "Start Test " menu.Use the "◀" "▶" key to select "Continuity Calibration" function and then press the "OK" key to start calibration.Cable continuity calibration includes 8P cable calibration and 9P cable calibration.If the calibration is successful,the device will display "OK-8P"or"OK-9P". If the calibration fails, it will prompt "error".In this case,check whether the cables are correctly connected to the remote terminal and the cont port on the left side of the machine, or whether there is a fault in the cables.

3.Length Measuring Function

①Network cable length measurement

Insert the network cable into the "Length" port on the right side of the transmitter, select the "Length" icon, press the" OK " key to enter the "Start Test" menu, and then press the "OK" key to start testing.

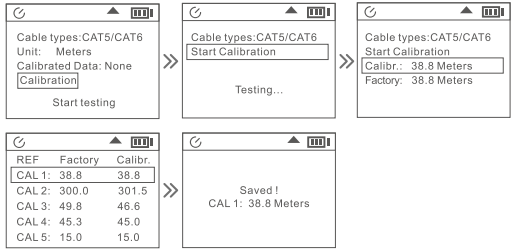
Press the "OK" key to retest.Remarks: Pls keep the other end of the cable empty.(Don't connect to anything else)



②User Calibration

If the length test result is inaccurate, users were suggested to calibrate the device.

In the"Start Test"interface,press the"◀" "▶"key to select "User Calibration",and then press the "OK"key to start calibration. Use the"◀" "▶"key to modify the calibration value.After modification,select "Calibration 1", and then press the "OK" key to save the data. (the instrument can store 5 groups of calibration data. Here, "Calibration 1" is used as an example).

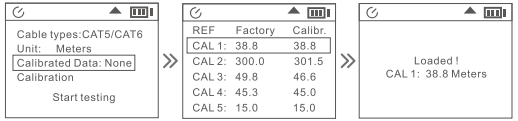


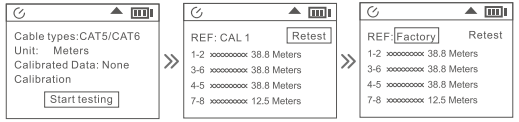
③Parameter Retrieval

During length testing, the instrument defaults to using the factory - set values.

If calibration values need to be used, previously saved parameters can be retrieved.On the "Start Test" menu, press the "◀" "▶" keys to select parameter retrieval. Select Calibration 1 and press the "OK" key to load it.

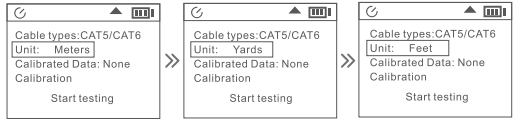
Meanwhile, the instrument automatically returns to the "Start Test" interface. Press the "OK" key to start the test. Press the "◀""▶" keys to move the cursor to "REF", then press the "OK" key to switch between "Calibration Value" and "Factory - set Value". Press the "◀" "▶" keys to move the cursor to "Retest", and then press the "OK" key to perform a retest.





④Unit Switching

In the "Start Test" menu,press the"◀""▶"key to select "Unit", and then press the "OK" key to switch between length units: meters,yardsand feet.



4.Port Flash Function

Insert one end of the network cable into the port flash port on the right side of the transmitter, and connect the other end to a switch or router. Select the "Flash" icon, and press the "OK" key to start testing. If the network cable is properly connected, the instrument will display "Connected" and make the corresponding port indicator lights on the switch/router flash synchronously, so as to determine the corresponding port.

5.PoE Function

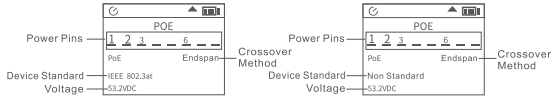
①Standard/Non-standard PoE Testing.

Connect the device to the PoE port in the middle of the transmitter. Select the "PoE" icon, press the "OK" button to use the function, and then press the "OK" key again to start the test.

The device can display which pins are providing power, the PoE standards and voltage, The figures marked in blue stand for the anode, black figures stand for cathode

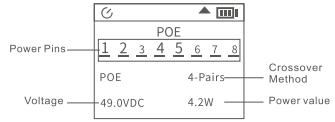
PoE devices can be divided into three standards: IEEE802.3af/ IEEE802.3at/IEEE802.3bt, which can be distinguished.

Note: Do not teNst the standard/non-standard when there is a load on the RJ45 port, otherwise it may cause equipment damage or inaccurate test results.



②Power Load Testing (Taking an 8-core power - supplying switch as an example)

Connect the RJ45 port on the top - right of the transmitter to the power - supplying PoE switch, and connect the PoE function output port in the middle of the transmitter top to the test load. Then the actual measured power load of the device .



Packing list

POE cable tester	1pc	Remote	1pc
Gift Box	1pc	User Manual	1pc
Carry bag	1pc	Type-C cable	1pc
Lithium Battery Precautions Card	1pc	Certificate	1pc

Note: The manual is for reference only. It is subject to change without prior notice. The actual product shall prevail.

Product Parameters

Transmitter		
LCD Display		2.4" Color Screen
Continuity Test	Cable Type	CAT5/CAT6
	Testing Range	600m
	STP & UTP	√
	Short Circut	√
POE Testing	Range	DC5V~60V
	Standards	IEEE802.3 af/at/bt
	Load Testing	2~80W
	POE Output	√
	Power Supply Pin	√
Port Flash Function		√
Length Measurement Range		5~300m
Low Battery Indicator		√
Battery		3.7V 1500mAh Lithium Battery
Auto Off		15m/30m/60m/OFF
Anti- burning Level		DC60V
Dimension		138.5×76×30mm

REMOTE	
Port Type	RJ45
Dimension	65×37×23mm