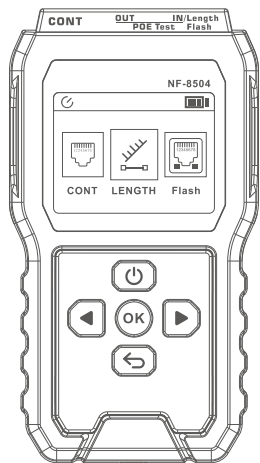


# POE Cable Tester

## NF-8504



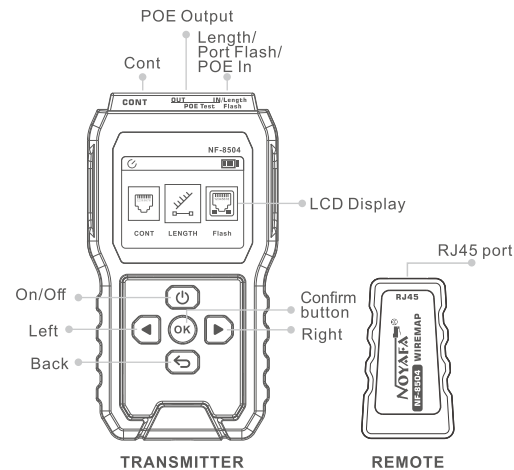
Dear user, thank you for purchasing this product. Please read the instructions carefully before use.



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 "On/Off" key to turn the device on or off.

### 2.Cable Continuity Test

#### ① Remote 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 "Left" "Right" key to select "Start Test", and then press the "OK" key to start.

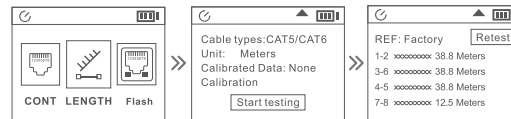
#### ② Continuity Calibration

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 "Left" "Right" 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

#### ① Network cable length measurement

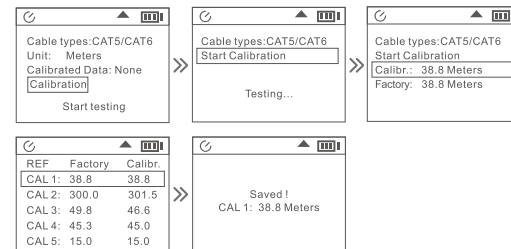
Insert the network cable into the "Length" port on the right side of the transmitter, select the "Length" icon, press the "OK" key to enter the "Start Test" menu, and then press the "OK" key to start testing. Press the "OK" key to retest.Remarks: Pls keep the other end of the cable empty.(Don't connect to anything else)



#### ② User Calibration

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

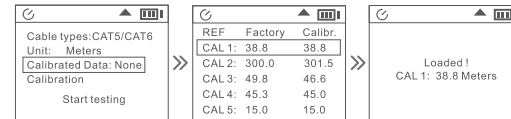
In the "Start Test"interface,press the "Left" "Right" key to select "User Calibration",and then press the "OK"key to start calibration. Use the "Left" "Right" key to modify the calibration value.After modification,select "Calibration 1", and then press the "OK" key to save the data. (the instrument can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

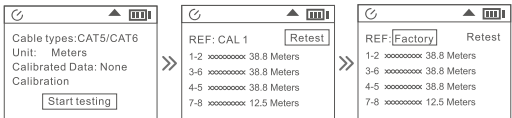


#### ③ Parameter Retrieval

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

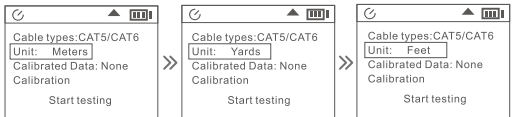
If calibration values need to be used, previously saved parameters can be retrieved.On the "Start Test" menu, press the "Left" "Right" keys to select parameter retrieval. Select Calibration 1 and press the "OK" key to load it. Meanwhile, the instrument automatically returns to the "Start Test" interface. Press the "OK" key to start the test. Press the "Left" "Right" keys to move the cursor to "REF", then press the "OK" key to switch between "Calibration Value" and "Factory - set Value". Press the "Left" "Right" 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, yards and feet.



#### 4.Port Flash Function

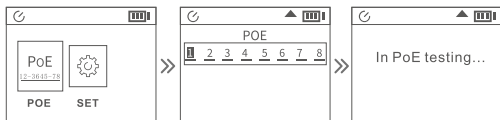
Insert one end of the network cable into the port flash port on the right side of the transmitter, and connect the other end to a switch or router. Select the "Flash" icon, and press the "OK" key to start testing. If the network cable is properly connected, the instrument will display "Connected" and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

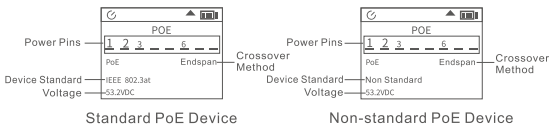
Connect the device to the PoE port in the middle of the transmitter. Select the "PoE" icon, press the "OK" button to use the function, and then press the "OK" key again to start the test.



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

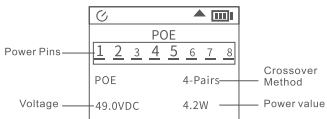
PoE devices can be divided into three standards: IEEE802.3af/IEEE802.3at/IEEE802.3bt, which can be distinguished.

Note: Do not test 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 Circuit                | ✓                  |
| 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 |