

Multifunction Ethernet Cable Tester

User Manual



**ORIGINAL
AUTHENTIC**

*Patented products,
Counterfeiting not allowed*

SISCO-NCT-NF859GK

The functions of the transmitter include wire detection, alignment test, length test, port blinking, network port rate, PoE, PING test, IP scanning, etc.



Icons on UI



AUTO-OFF: Customers can see the icon " " on the left top of the screen when the function is ON, Customers can choose to turn it off in "Set".



Power Level: Show the battery power level of the device, it will turn to Green when charging, and stays white when in use.



Cable Continuity Test



Cable Tracking



Port Flash



Cable Length Measurement



PoE Test



Ping Test



IP Scan



Switch Test



Set

1. Alignment Test

Three alignment test modes: Alignment test with receiver, alignment test with switch, and local alignment test.

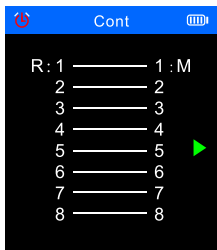
Alignment Test with Receiver: To test the cable continuity, cross and short circuit of the network line.

Alignment Test with Switch: To test the cable continuity only, which is shown in the form of short circuit.

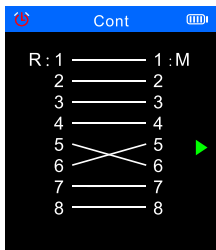
Local Alignment Test of Receiver: You can switch between fast alignment test and slow alignment test.

Take Alignment Test with Receiver as an example.

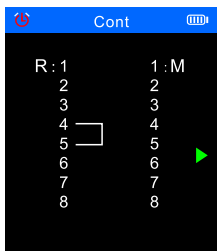
Insert one end of the cable into the line interface on the right side of the transmitter, and the other end into the "Remote Line A" port at the bottom of the receiver. Select "Line with Receiver" and press the "OK" button to start the test. The test results are as follows:



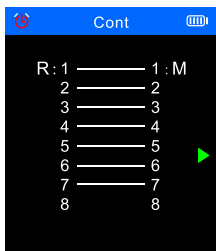
The test is normal



Cross of cores 5 and 6



Short circuit of cores 4 and 5



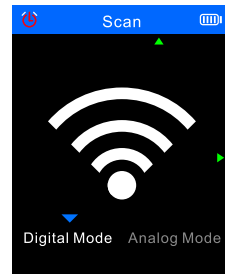
Open circuit of core 8

2. Wire Detection

Press the Up/Down key to switch between the two wire detection modes.

Anti-interference Wire Detection: Anti-interference and noise-free. This mode is recommended for the on-load wire detection of a gigabit switch.

Ordinary Wire Detection: With certain noise. The ordinary wire detection mode can be used to detect ordinary electric cables or for no-load wire detection.



Digital Mode

Transmitter:

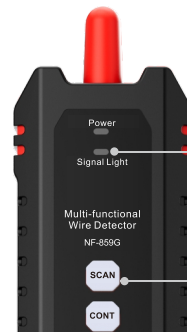
The default mode is the anti-interference wire detection mode. Press the Up/Down key to switch between the anti-interference wire detection mode and ordinary wire detection mode.

Receiver:

The default mode is the anti-interference wire detection mode. Press the Wire Detection key to switch between the anti-interference wire detection mode and ordinary wire detection mode. When the light of the Wire Detection key is on, it indicates the anti-interference wire detection mode; when the light of the Wire Detection key blinks, it indicates the ordinary wire detection mode.

Notes:

1. The mode on the transmitter should be consistent with that on the receiver, otherwise, the receiver cannot detect any signal.
2. The knob on the receiver is used to adjust the sensitivity of wire detection. The maximum detection range is 10cm; the maximum wire detection distance is 600m for no-load wire detection or 1000m for on-load wire detection.
3. The stronger the signal received, the brighter the signal strength indicator.



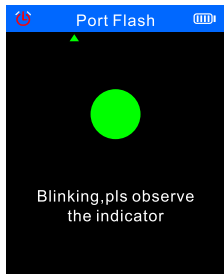
Signal Strength Indicator
The stronger the signal received, the brighter the signal indicator.

Wire Detection Sensitivity Adjustment Knob If you feel the signal is too strong, decrease the sensitivity; if you feel the signal is too weak, increase the sensitivity.

"The light of the wire detection mode switching key is on" indicates anti-interference wire detection, and blinking indicates ordinary wire detection.

3. Port Blinking

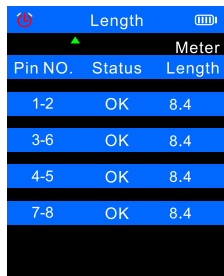
When the detection is successful, the green spot displayed on the interface will blink with the port indicator synchronously.



Port Flash

4. Network Line Length Test

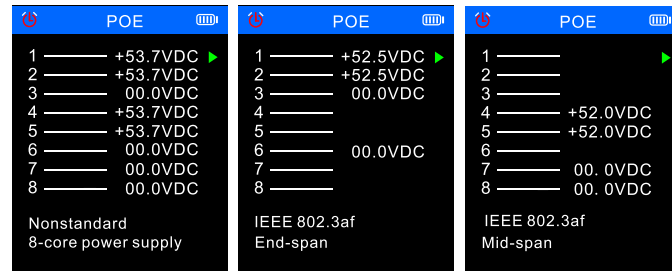
The length of the network line can be tested. After setting the type and unit of the network line, press the "OK" key to start the test. The length is displayed in line pairs. (Best Measurement Range: 5-200m)



Network Line Length Test

5. PoE Test Function

When the detection is successful, the screen will display the detection data.



8-core power supply, 53.7V

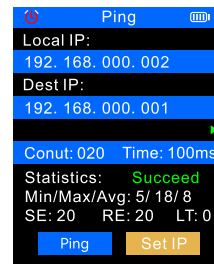
End-span, 52.5V

Mid-span, 52.0V

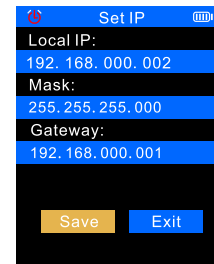
PoE: 5~60V nonstandard/standard PoE can be tested. The AF/AT standard is identified automatically.

6. PING Test Function

Press the "▲" or "▼" key to select PING or IP. For the first time of use, it is suggested that you first enter the Set IP interface to set the IPv4 parameters. After all parameters are set, press the "▲" or "▼" key to go to the Ping option and start the test.



PING Test Function



Set IP

7. IP Scanning Function

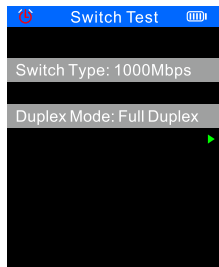
Press the "▲" or "▼" key to select Scan or Set IP. After all parameters are set, press the "▲" or "▼" key to go to the Scan option and start the IP scanning.



IP Scan

8. Network Port Rate Test

When the detection is successful, the rate (10M/ 100M/ 1000M) and the duplex mode (full duplex/ half duplex) of the network port will appear.



Switch Test

Ps: When the detection is successful, if the network port is switched, you need to quit and redo the test to ensure the detection data are accurate. What the function tests is the rate class (10M/ 100M/ 1000M) of the network port on the router/switch, rather than the real-time rate of the network.

9. Transmitter Setup Function

Language, backlight brightness, backlight time, automatic power-off, factory default, viewing local information, etc.

Product Parameters

Model	SISCO-NCT-NF859GK	
Cable Scan	Digital Mode / Analog Mode	
Auto OFF	✓	
Low Power Notice	✓	
Transmitter	Cable Continuity Test	Remote & Switch
	Cable Length Test	Range: 5~200m (±3m)
	Port Flash	10M/100M/1000M
	POE	Mid-Span/End-Span/AT-4 pairs
		PoE voltage test
	Link Speed	10M/100M/1000M
		Duplex Mode (Full Duplex/ Half Duplex)
	Battery	3.7V Lithium Battery
	Ping Scan Function	✓
Receiver	IP Scan Function	✓
	Transmitter Dimension	150×75×35mm
	Wire Detection Function	Anti-interference mode/ordinary mode (used with other models)
	Alignment Test	Local alignment test and remote alignment test
	Crimping Test	To test whether the registered jacks RJ11 and RJ45 are crimped properly
	PoE Test	Power supply wire core, mid-span and end-span
	VFL	10mW
	NCV	✓
	LED Flashlight	✓
	Battery Indication	✓
	Power Supply	3.7V lithium polymer battery
	Dimension of Receiver	200x52x33mm