

*Your excellent helper in cable test!*

**NEW!**

*Your excellent helper in cable test!*

# INSTRUCTION MANUAL

## Tone Generator Kit



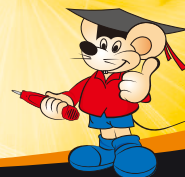
**NF-806R**



**NF-806B**



**NF-889**



VER: V2

# Contents

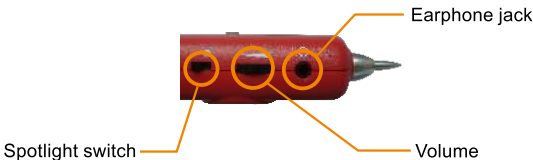
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## interfaces and functions

Find wire on all types of connected operating Ethernet switch/Router/PC terminal

### Parts of emitter

### Parts of receiver



## Telephone cable tracing function



1. Directly insert telephone wire with RJ11 plug into the RJ11 socket of emitter;  
(Note: Never put energized telephone cable into RJ45 port, in fear of burnout to the tester)
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes, which means the emitter works normally;
3. Press the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

*Rapidly find the target wire from  
among plenty of  
telephone wires*

### CASE I

Find wire on switch



Connect emitter with the telephone line to be found



Trace cable with receiver at the other end

### CASE II

Find wire on patch panel



Connect emitter with the telephone line to be found



Trace cable with receiver at the other end

## Network cable tracing function



1. Directly insert network cable into the RJ45 port of emitter;
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes which means normal work of emitter;
3. Press the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

*Rapidly find the target wire from  
among plenty of  
network wires*

### CASE I

Find wire on router



Connect emitter with the network cable to be found



Trace cable with receiver at the other end

### CASE II

Find wire on net bar



Connect emitter with the network cable to be found



Trace cable with receiver at the other end

## Electric wire tracing function



1. Directly insert RJ11 of crocodile clip into RJ11 port of emitter, connect telephone line with the clamp;
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes, which means normal work of emitter;
3. Press the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

*Rapidly find the target wire from  
among plenty of  
network wires*

**CASE** Note: The equipment is prohibited to be used on heavy-current wires



Connect emitter with  
electric wire to be found



No need electric machine to drill !



How to find the wire from among so many wires?  
It is so slow by using a multimeter.

## Network wire Collation function

1. Insert the two ends of the network cable into the RJ45 ports of emitter and receiver.
2. Push function switchover button on emitter to the position of "TEST", testing indicator "VERIFY" flashes meaning normal work of emitter.
3. According to 18 indicators, judge the characteristics of short-circuit, breaking circuit, open circuit and crossing.
4. During testing, function switchover button can be pressed for switchover of fast and slow levels.



*Network wire  
sequence collation*

**CASE** | Note: The equipment is prohibited to be used on heavy-current wires

Support direct wire collation  
of operating switch

Replace the above  
tester in cabling



**It can take place of  
cable tester**

It can rapidly test open circuit/short  
circuit and crossing through the 18  
status indicators. which is accurate  
and clear.





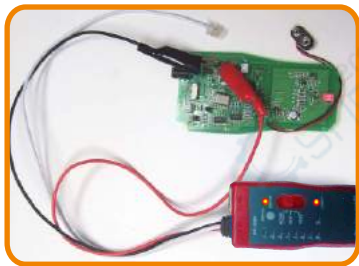
## Other function

### Open or Short circuit test Function

Please turn the button to the "TEST" position and press the "SWITCH" button for 2 seconds of the Emitter, then the "VERIFY" keep lighting and clamp the clips to the two side of the wire. If the condition is short, the "STATUS" light of the emitter will turns red. The impedance of the wire can be showed by the degree of status light, the more bright light the less impedance.

### DC level testing function

Push DIP switch on emitter to position of "SCAN", press function switchover button on emitter for 2 seconds, "STATUS" indicator will turn off and "VERIFY" indicator flashes, insert the crystal plug of crocodile clamp into RJ11, clamp the two ends of cable with crocodile clamps, in case that "STATUS" indicator lights up in red, it means the end clamped by red clamp is positive pole, in case that "STATUS" indicator lights up in green, it means the end clamped by red clamp is negative pole, electric level can be judged by brightness of the status indicators; the lighter the indicator, the higher the level is; the darker, the lower.



test positive and negative pole of DC electric level

## Low voltage alarm function

Push DIP switch on emitter to position of "SCAN", if the battery level is lower than 6.0V, "STATUS" and "VERIFY" indicators will light up at the same time, it indicates to have new battery.

## Earphone function

In noisy environment, earphone can be used to prevent interference from the outside.



## Volume adjusting function

While tracing cable, volume can be adjusted for moderate level of sound.



## Spotlight function

You can easily work as usual with backlight at night and in dark.

## Energy-saving

Inching switch can automatically delay power-off.  
The continuous lifespan of battery is over 50 hours.

## Accessories



RJ45 adapter cable



Earphone



9V battery

## Applicable users

Telecom bureau/net bar/telecom engineering companies / network engineering companies/power supply/ army and other departments requiring wire.

## Applicable scope

Wire engineering of telecom, network and regular maintenance work; network line engineering of computer; other wire engineering and maintenance.

## Specification of product

Item	Specification	
Product name	Wire tracker	
Power supply	DC, 9V battery	
The max working current	Emitter	$\leq 10\text{mA}$
	Receiver	$\leq 30\text{mA}$
Signal transmission format	Multi-frequency impulse	
Signal output electric status	8Vp-p	
Distance of signal transmission	2km	
Appearance dimension	Emitter	126×49×34,mm
	Receiver	175×42×27,mm
	Whole set	270×165×45,mm
Weight	Emitter	0.060kg
	Receiver	0.072kg
	Whole set	0.420kg

## The list of package

1. Emitter	1 piece	4. RJ45 adaptor cable	1 piece
2. Receiver	1 piece	5. Instruction manual	1 piece
3. Earphone	2 pieces	6. Toolkit	1 piece
		7. Color box	1 piece

## Diagram of series products



NF-868



NF-268



NF-8601



NF-300



NF-800



NF-816



NF-468L



NF-820



NF-2100



NF-708



NF-905



NF-911