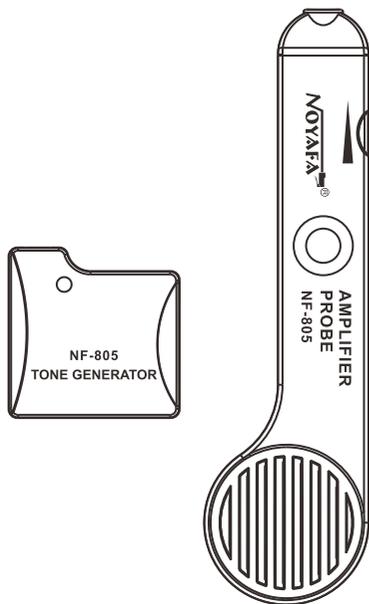


Circuit Tester

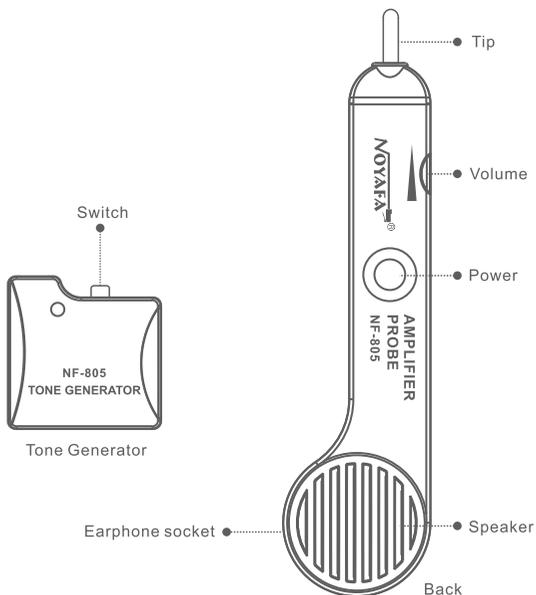
NF-805



1. Amplifier Probe Feature:

- ① Use the Amplifier and Tone Generator set to quickly and accurately trace and identify wires or cables, even when in a bundle.
- ② Probe can work with any existing tone generator in the market.
- ③ Adjustable volume level (1-9) for various work environments.
- ④ 9V Battery provides up to 100 hours of use.
- ⑤ Plug receptacle for head set.

2. Tone Generator Feature:



3. Technical Parameter

NF-805 Tone Generator	
Tone frequency	0.6~2kHz
Max. testing distance	1.5km
Max. working current	≤20mA
Tone mode	One / Two-note tone
Connector port	RJ11 (6 pin2c), Alligator clips
Compatible cables	De-energized AC wire, telephone/twisted pair wire, all voice and data category rated cable, virtually any cable or wire.
Function selection	TONE/OFF/CONT
Short circuit/conduction test	Yes
Continuity test	1 LED (≤10Ω), Coaxial cable & normal solid/stranded wire by alligator clips patch cord.
Max. signal voltage	8Vp-p
Power indicator	Yes
Phone line polarity indication	Yes
Phone line status indication	Yes
Live telecommunication equipment test and router test.	Yes
Voltage protection	DC 48V
Battery	NEDA 1604/ 6F22 DC9V×1pc(not included)
Dimension(L x W x D)	65×58×34 mm
Weight	97 g
NF-805 Amplifier Probe	
Frequency	0.6~2kHz
The Max. working current	≤70mA
Start mode	Toggle switch
Earphone jack	1
Battery type	NEDA 1604/ 6F22 DC9V ×1pc(not included)
Dimension(L x W x D)	230×56×25 mm
Weight	116 g

4. OPERATING INSTRUCTIONS

4.1 To Test Wires or Cables

CAUTION : Do not connect the Tone Generator in the TONE position to any wire or cable with an active DC circuit exceeding (48V)

- ① Connecting the Tone Generator, turn the switch to the TONE position, connect the line as follow:
 - a. For terminated working cables : connect Red test lead to the terminated wire and Black test lead to the earth or equipment ground.
 - b. For non-terminated or non-working cables : Black test lead connect to a non- terminated/ non-working wire.
- ② Set the Amplifier Probe to the SCAN or LED position.
- ③ Turn on the probe volume thumbwheel, press the power button.
- ④ Adjust the volume with the volume control. Increase the volume to overcome noise, decrease to reduce interference.
- ⑤ Position the tip of the probe close to the insulation of each of the suspect conductors. The volume will be loudest on the wire connected to the tone generator.
- ⑥ In noisy or dark environments the signal LED provides an alternate method of identification. The signal LED will display a brighter RED the closer it is to the connected wire.

Note:

There are a tone switch inside of the Tone Generator, provide one tone or dual tone selection. To adjust the tone, remove the battery cover and change the switch position.

4.2 Identifying Tip and Ring

- ① Switch the Tone Generator to the OFF position
- ② Connect the RED test lead to one line and the BLACK lead to the other line
- ③ The CONT LED indicates the status as below:

Green light :

Red test lead at positive (+) polarity; Black test lead at negative (-) polarity.

No light :

- a. Red test lead at negative (-) polarity; Black test lead at positive (+) polarity.
- b. Exchange the red test lead and black test lead, if LED still not light on, the phone line maybe no service or fault

4.3 Identifying Line Condition: (only used for the analog phone lines.)

- ① Switch the Tone Generator to the OFF position
- ② Connect the RED lead to the TIP SIDE of the line and the BLACK lead to.
- ③ The CONT LED indicates the status as below:
 - a. **Green color:** Standby status.
 - b. **Not bright or dim:** Served line status.
 - c. **Flashing:** Incoming call ringing.

4.4 Verifying Lines:

(only used for the analog phone lines, cannot be used in the digital telephone.)

- ① Switch the Tone Generator to OFF.
- ② Connect the RED lead to the TIP SIDE of the line and the BLACK lead to.
- ③ Connect the RED lead to the RING or TIP SIDE of the line and the BLACK lead to the other side of the line.
- ④ The 3 LEDs (TONE, LO BAT, and CONT) will all be FLICKERING when the test leads are connected to the subject pair.

4.5 Testing Continuity-CONT Mode

CAUTION:

Do not connect the Tone Generator in the CONT position to any wire or cable with an active DC circuit exceeding 48V.)

- ① Switch the Tone Generator to the CONT position. The CONT LED will display RED.
- ② Connect the wire leads to the wire pair under test.
- ③ If there is no continuity, the LED will display RED.
For continuity (< 500Ohm), the LED will gradually diminish until there is NO Light.

4.6 Testing Continuity-TONE Mode

CAUTION :

Do not connect the Tone Generator in the TONE position to any wire or cable with an active DC circuit exceeding 48V.

- ① Switch the Tone Generator to the TONE position. The TONE LED will display RED.
- ② Connect the wire leads to the wire pair under test.
- ③ Use a headset or handset at the remote end.
- ④ An audible tone signals continuity.

5. Battery

- ① If the Amplifier Probe volume is low, replace the battery.
- ② Unscrew screw on battery cover.
Remove the battery cover and replace the battery with a new 9V battery.
Reattach the cover. Do not overtighten.