





NX1 Pocket Toner®



Users Guide

The NX1 Pocket Toner lets you quickly do tests for continuity, short circuits, and 50 Ω or 75 Ω termination. The standard adapters let you use the toner on cable with F-type connectors. Optional adapters let you use the toner on twisted pair, coaxial, and two-wire radial cable.

Symbols

	Warning or Caution: Risk of damage to or destruction of equipment or software. See explanations in the manual.
	Warning: Risk of electrical shock.
	Conforms to relevant Australian standards
	Conformite Europeene. Conforms to the requirements of the European Union and the European Free Trade Association (EFTA).



	Listed by the Canadian Standards Association, CSA C22.2 No. 61010.1.04
	Do not connect this equipment to public communications networks, such as telephone systems. See the warning below.
	Do not put products that contain circuit boards into waste containers. Refer to local regulations for disposal procedures.

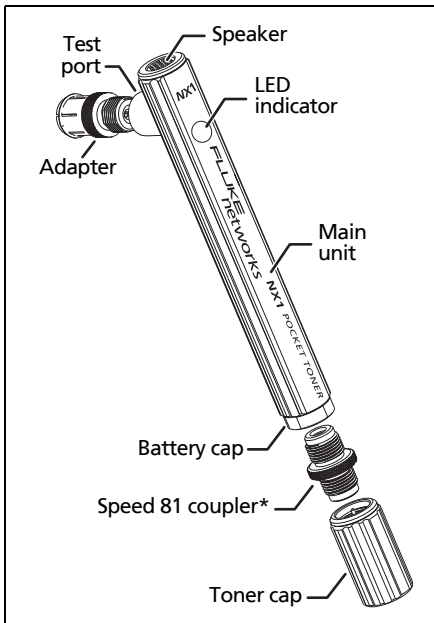
Safety Information

Warning

To prevent possible fire, electric shock, or personal injury:

- Do not connect the toner to more than 30 Vac, 42 Vpk, or 60 Vdc.
- This equipment has no insulation against on-hook, dial tone, ring, or transient voltages. Those voltages can be hazardous and can exist on active telecommunication circuits. Do not use this equipment on active circuits where these voltages can exist. Disconnect the circuits at the source before connecting this equipment.
- Do not use in a wet or damp environment.
- If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired.

Features



* F-type coupler that helps you make connections faster.

Auto Shut-Off

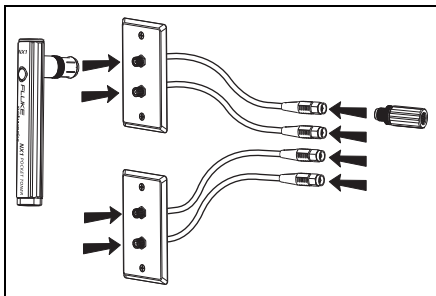
The main unit turns off if the condition of the line does not change for 10 minutes.

How to Use the Toner

- 1 For unterminated cable, connect the correct adapter to an ID cap or the toner cap, then connect the cap to the far end of the cable.
- 2 Connect the correct adapter to the main unit.
- 3 Turn on the main unit, then connect it to the near end of the cable.
- 4 The LED on the main unit shows the results:
 - **Off:** The circuit is open.
 - **Red:** The circuit is shorted.
 - **Green. The main unit emits a loud, steady tone:** The circuit has continuity to the toner cap or to a 50 Ω or 75 Ω terminator. If the toner cap is connected, it also emits a loud, steady tone.

Note

If the condition of the line changes, the main unit emits a loud, brief tone.



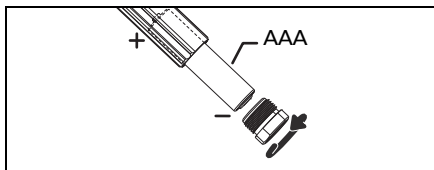
Maintenance



To prevent possible fire, electrical shock, personal injury, or damage to the toner:

- Do not open the case, except to replace the battery. You cannot repair or replace parts in the case.
- To extend battery life, remove the battery if you will not use the toner for a long period of time.
- Use only replacement parts that are approved by Fluke Networks.
- If you replace parts that are not specified as replacement parts, the warranty will not apply to the product and you can make the product dangerous to use.
- Use only service centers that are approved by Fluke Networks.

How to Replace the Battery



Cleaning



To prevent damage to the display or the case, do not use solvents or abrasive materials.

To clean the case, use a soft cloth that is moist with water or water and a weak soap.

Specifications

Approximate distance: 300 m (1,000 ft)

Output voltage in continuity mode: 3.6 Vdc
(with a new battery)

Toner frequency: Main unit: 2.7 kHz. Toner cap: 2.3 kHz

Maximum input voltage: 30 Vac, 42 Vpk, or 60 Vdc

Battery type: 1.5 V AAA alkaline

Auto shut-off: 10 minutes

Operating temperature: -20 °C to +65 °C

Storage temperature: -30 °C to +70 °C

Altitude: 3,000 m (10,000 ft) maximum

Relative humidity: 5 % to 95 % (non-condensing)

Dimensions and weight: 4.8 in x 0.6 in
(121 mm x 15 mm), 2.1 oz (60 g)

Pollution degree: 2

Contacting Fluke Networks



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Fluke Networks operates in more than 50 countries worldwide. For more contact information, go to our website.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

Fluke Networks mainframe products will be free from defects in material and workmanship for one year from the date of purchase, unless stated otherwise herein. Parts, accessories, product repairs and services are warranted for 90 days, unless otherwise stated. Ni-Cad, Ni-MH and Li-Ion batteries, cables or other peripherals are all considered parts or accessories. This warranty does not cover damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke Networks' behalf. To obtain service during the warranty period, contact your nearest Fluke Networks authorized service center to obtain return authorization information, then send your defective product to that Service Center with a description of the problem.

For a list of authorized resellers, visit www.flukenetworks.com/wheretobuy.

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