FLUKE networks

MicroScanner^{2}™

Cable Verifier

Getting Started Guide

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Fluke Networks
PO Box 777
Everett, WA 98206-0777
USA

Accessing the Users Manual

This guide provides basic information to help you get started using the tester. For additional information, see the *MicroScanner² Cable Verifier Users Manual* on the Product CD.

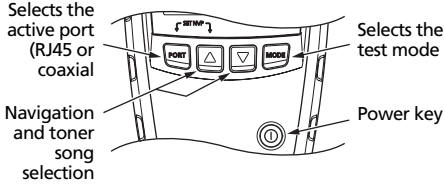
Safety

⚠ Warning ⚠

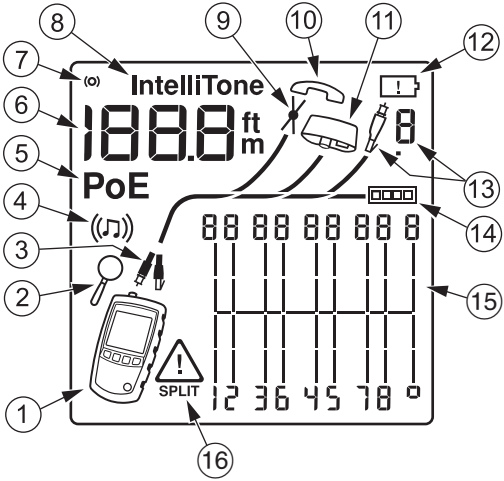
To avoid possible fire, electric shock, personal injury, damage to equipment, or inaccurate test results, read the safety information in the *MicroScanner² Cable Verifier Users Manual* before using the tester.

Keys

Combinations of keys provide additional functions. See the Users Manual.



Display Features



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1. Tester icon
2. Detail screen indicator. To see detail screens, press △ or ▽ during a cable test; then press △ or ▽.
3. Indicates which port is active, the RJ45 port or the coaxial port
4. Tone mode indicator
5. Power over Ethernet mode indicator
6. Numeric display with feet/meters indicator
7. Test activity indicator
8. Appears when the toner is in IntelliTone mode
9. Indicates a short on the cable

⑩ Telephone voltage indicator. ⊓ and ∩ appear in the wiremap diagram over the positive (tip) and negative (ring) wires.

⑪ Indicates a wiremap adapter is connected to the far end of the cable

⑫ Low battery indicator

⑬ Indicates an ID locator is connected to the far end of the cable and shows the locator's number

⑭ Ethernet port indicator

⑮ Wiremap diagram. The rightmost segments indicate the shield.

⑯ The ⚠ indicates a fault or high voltage on the cable. **SPLIT** appears when the fault is a split pair.

Changing the Length Units

1 Hold down PORT and △ while turning on the tester.

2 Press MODE to switch between meters and feet.

Auto Shutoff

The tester turns off after 10 minutes if no keys are pressed and nothing changes at the tester's connectors.

Testing Cabling

Note

A wiremap adapter or remote ID locator must be connected to the end of the cabling for the wiremap to be completely verified.

1 Press ⏻ to turn on the tester.

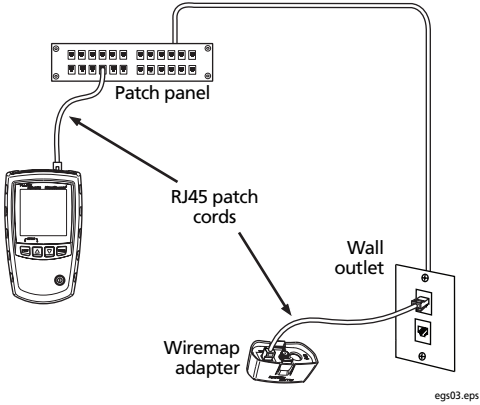
2 Press PORT to switch between twisted pair (🔌) and coaxial (🔌) modes.

3 Connect as shown in the following figures.

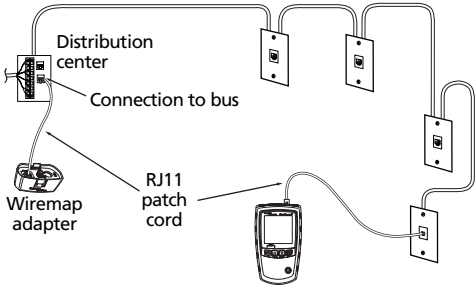
Note

If the **PoE** *indicator appears, see page 7.*

Connecting to Twisted Pair Network Cabling



Connecting to a Bus Topology



Note: Locations of the tester and wiremap adapter may be swapped.

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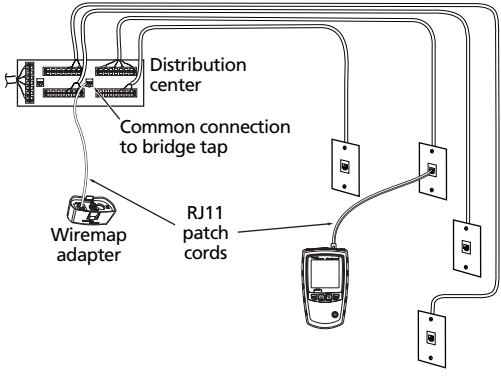
Connecting to a Star Topology



Note: For a correct length reading, connect the tester and wiremap adapter as shown. See the Users Manual for details.

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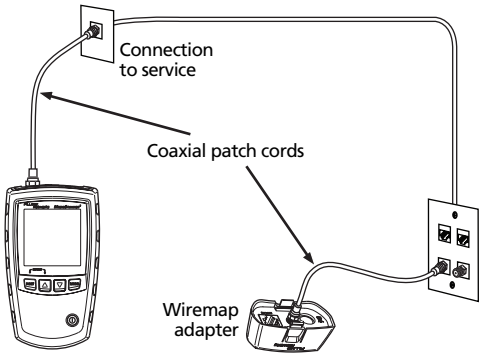
Connecting to Coaxial Cabling



Using the Toner

1 Press PORT to select twisted pair ( ) or coaxial ( ) cable.

2 Connect the tester to the cable.

3 Press MODE until ((♫)) appears on the display.

4 To cycle through the IntelliTone and analog toner songs, press △ or ▽.

5 Use an optional IntelliTone probe or an analog probe to locate the cable.

Notes

If the **PoE** *indicator appears, see page 7.*

Auto shutoff is disabled in toner mode.

Detecting Power Over Ethernet

The tester can detect PoE voltages from active 802.3af sources.

To select PoE mode, press MODE until **PoE** appears on the display.

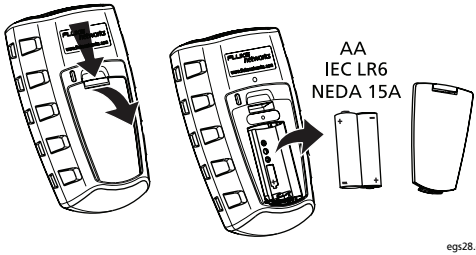
In PoE mode, the tester solicits PoE power on pairs 1,2-3,6 and 4,5-7,8. The tester may activate a PoE source and will not be damaged by PoE power.

If PoE power is detected, PoE appears above the powered pairs. The PoE may blink as the PoE source turns the power on and off.

In twisted pair test mode, a flashing **PoE** mode indicator means that PoE power may be available. To verify the presence of a PoE source, switch the tester to PoE mode.

Replacing the Batteries

The batteries last for about 20 hours of typical use.



Contacting Fluke Networks

www.flukenetworks.com

support@flukenetworks.com

+1-425-446-4519

- Australia: 61 (2) 8850-3333 or 61 (3) 9329 0244
- Beijing: 86 (10) 6512-3435
- Brazil: 11 3044 1277
- Canada: 1-800-363-5853
- Europe: +44-(0)1923 281 300
- Hong Kong: 852 2721-3228
- Japan: 03-3434-0510
- Korea: 82 2 539-6311
- Singapore: +65-6799-5566
- Taiwan: (886) 2-227-83199
- USA: 1-800-283-5853

Visit our website for a complete list of phone numbers.