Fluke Networks Pro3000

Fluke Networks Pro3000 Tone Generator and Probe Kit User Manual

Model: Pro3000 | Part Number: 26000900

1. INTRODUCTION

The Fluke Networks Pro3000 Tone Generator and Probe Kit is designed for tracing and identifying wires on non-active networks. It features SmartTone technology for precise pair identification and a durable design for professional use. This manual provides essential instructions for the safe and effective operation of your device.

Image: The Fluke Networks Pro3000 Tone Generator and Probe Kit, showing the tone generator unit with alligator clips and RJ11 connector, alongside the handheld probe.

2. SAFETY INFORMATION

Always observe safety precautions when working with electrical equipment. Ensure the network is non-active before tracing wires. Do not use the device on live circuits unless explicitly stated in the operating instructions for a specific function. Keep the device dry and clean. Refer to local safety regulations and guidelines.

3. KIT COMPONENTS

- **Pro3000 Tone Generator:** Generates the tone signal.
- **Pro3000 Probe:** Detects the tone signal.
- **Alligator Clips:** For connecting the tone generator to bare wires.
- **RJ11 Connector:** For connecting the tone generator to telephone jacks.
- **Carrying Case:** For convenient storage and transport.

Image: The complete Fluke Networks Pro3000 kit, showing the tone generator, probe, and a black carrying case laid out on a wooden surface.

4. SETUP

4.1 Battery Installation

Both the Pro3000 Tone Generator and the Pro3000 Probe require a 9-volt alkaline battery for operation. To install or replace batteries:

1. Locate the battery compartment on the back of each unit.
2. Use a screwdriver to open the battery cover.
3. Insert a new 9-volt alkaline battery, ensuring correct polarity.
4. Securely close the battery cover.

4.2 Connecting the Tone Generator

The tone generator can be connected to the cable you wish to trace using either the alligator clips or the RJ11 connector:

- **Alligator Clips:** Connect the red and black alligator clips to the exposed conductors of the cable. Ensure a secure connection.
- **RJ11 Connector:** Plug the RJ11 connector directly into a telephone jack or an RJ11 port.
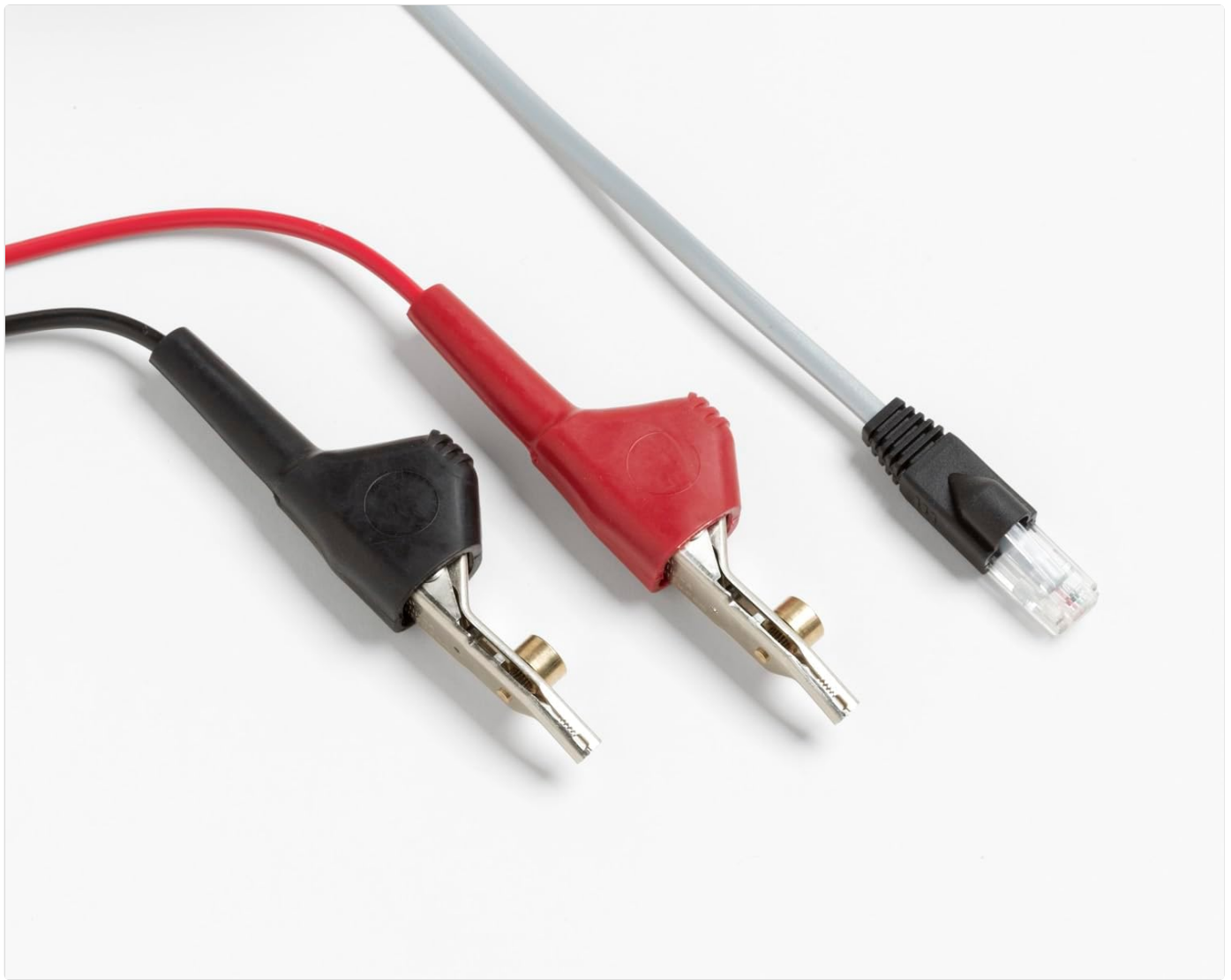
Image: A detailed view of the Fluke Networks Pro3000 Tone Generator, highlighting its alligator clips and RJ11 connector for various cable connections.

5. OPERATING INSTRUCTIONS

5.1 Activating the Tone Generator

1. Turn on the Pro3000 Tone Generator by pressing the power button.
2. Select the desired tone mode:

   - **Solid Tone:** The red light on the left will be solid.
   - **Alternating Tone (ALT):** Press the power button again until the red light blinks. This mode provides five distinct tones for exact pair identification (SmartTone technology).

5.2 Tracing Wires with the Probe

1. Turn on the Pro3000 Probe using its ON/OFF button.
2. Adjust the sensitivity (HIGH/LOW) as needed for your environment.
3. At the opposite end of the cable, or along its path, use the probe's tip to listen for the tone. The loud speaker is audible in noisy locations.
4. Move the probe along the cable path until the tone is strongest, indicating the location of the toned wire.

Image: A technician uses the Fluke Networks Pro3000 Probe to identify a specific cable within a complex network panel, demonstrating its application in a professional setting.

5.3 SmartTone Technology for Pair Identification

When using the alternating tone mode, SmartTone technology allows you to confirm the correct wire pair:

1. Once you have identified a potential wire pair with the probe, briefly short the two conductors of that pair together for approximately two seconds.

2. The tone emitted by the probe will change, confirming that you have located the correct pair. The tone will revert to its original sound when the short is removed.
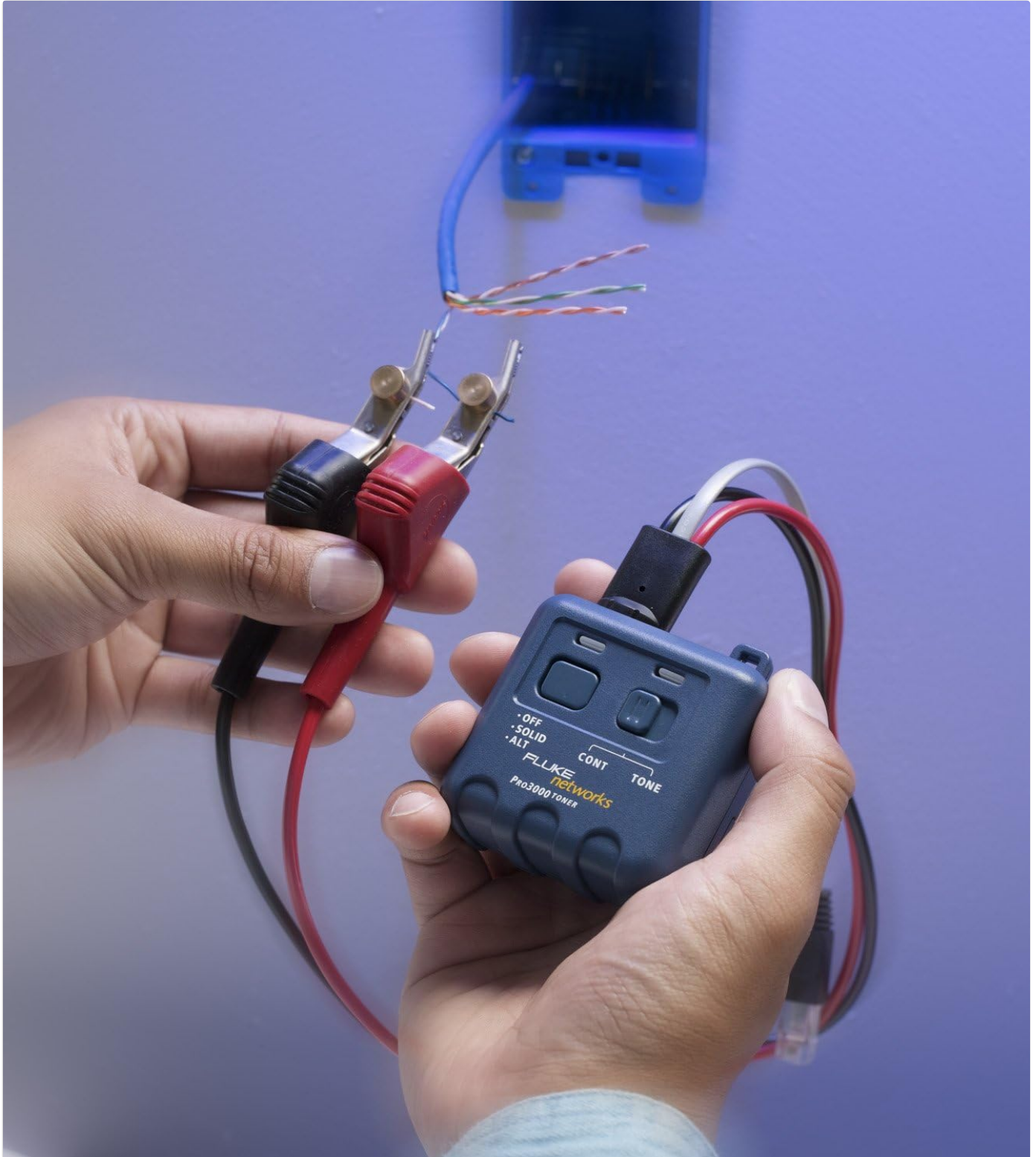
Image: A close-up of hands holding exposed wires and the Fluke Networks Pro3000 Probe, illustrating the process of shorting a wire pair to confirm the tone signal.

5.4 Continuity Mode

The tone generator also features a continuity mode. When connected to a cable, if it detects any DC voltage, it will illuminate an LED to notify you. It will also light up red or green based on the polarity of the detected voltage.

Your browser does not support the video tag.

Video: An official product video demonstrating the Fluke Networks Pro3000 Tone Generator and Probe Kit, highlighting its SmartTone technology for identifying individual wire pairs in crowded cabling environments.

6. MAINTENANCE

6.1 Battery Replacement

Replace 9-volt alkaline batteries in both the tone generator and probe when the indicator lights dim or the tone weakens. Refer to section 4.1 for battery installation steps.

6.2 Cleaning

Wipe the units with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the units are dry before storage.

6.3 Replaceable Tip

The Pro3000 Probe features a replaceable tip. If the tip becomes worn or damaged, it can be replaced to maintain optimal performance.

7. TROUBLESHOOTING

- **No Tone/Weak Tone:**
  - Check battery levels in both the tone generator and probe. Replace if necessary.
  - Ensure proper connection of the tone generator to the cable.
  - Increase the probe's sensitivity (HIGH setting).
  - Verify the cable is not active or connected to a device that might interfere with the tone.

- **Difficulty Identifying Pairs:**
  - Ensure the tone generator is in alternating tone (ALT) mode for SmartTone functionality.
  - Confirm the shorting technique for pair identification is correctly applied.

- **Continuity Issues:**
  - If the continuity LED does not light up as expected, check connections and ensure the cable is not open-circuited.

8. SPECIFICATIONS

Brand	Fluke Networks
Model Number	Pro3000
Part Number	26000900
Power Source	Battery Powered (2 x 9V batteries required)
Item Weight	0.5 Kilograms (1.1 pounds)
Product Dimensions (L x W x H)	12.2 x 18 x 2.56 inches
Min. Operating Voltage	9 Volts
Specification Met	CE, RoHS, UL
Upper Temperature Rating	60 Degrees Celsius
Measurement Type	Electrical Measurement Device

Included Components	Pro3000 Analog Tone and Unfiltered Probe Kit and 9V battery

9. WARRANTY AND SUPPORT

To ensure you receive a genuine Fluke product with a valid warranty, it is recommended to purchase from authorized distributors. Always verify the seller is an authorized Fluke distributor. For detailed warranty information and technical support, please visit the official Fluke Networks website or contact their customer service.
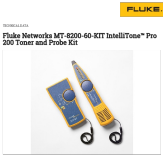

Image: A graphic displaying a "Fluke Genuine Product Authorized Distributor" badge, emphasizing the importance of purchasing from official sources for warranty and authenticity.

Related Documents - Pro3000

[Fluke Networks PRO3000 Toner and Probe Users Guide](#)
User guide for the Fluke Networks PRO3000 Toner and Probe, providing instructions on cable tracing, pair identification, polarity checking, continuity testing, and specifications.

[Fluke Networks TS90 and TS100 Cable Fault Finders: Efficient Cable Management](#)
Discover the Fluke Networks TS90 and TS100 Cable Fault Finders, the fast and easy-to-use tools for measuring cable opens, shorts, and length. Save time and money with these competitively priced cable management solutions.

	[Fluke Networks MT-8200-60-KIT IntelliTone Pro 200 Toner and Probe Kit](#) The Fluke Networks MT-8200-60-KIT IntelliTone Pro 200 Toner and Probe Kit offers advanced digital and analog signaling for safe and effective cable tracing on active networks. It includes a toner, probe, adapters, patch cables, and test leads, with features like end-to-end continuity testing and noise elimination.
	[Fluke Networks MicroScanner Series Cable Verifiers User Manual - Network Testing Guide](#) Comprehensive user manual for Fluke Networks MicroScanner Series Cable Verifiers (MicroScanner², MicroScanner PoE). Covers features, twisted pair/coaxial testing, PoE detection, toning, specifications, and troubleshooting.
	[Fluke Networks MicroScanner2 Cable Verifier User Manual](#) User manual for the Fluke Networks MicroScanner2 Cable Verifier, providing information on its features, operation, safety precautions, and troubleshooting.
	[LinkIQ™/LinkIQ™ Duo Cable+Network Tester Quick Reference Guide](#) A quick reference guide for the Fluke Networks LinkIQ™/LinkIQ™ Duo Cable+Network Tester, covering basic network testing, PoE/Ping, IntelliTone™, and Wi-Fi analysis.