Fluke Networks 26100900

Fluke Networks Pro3000 Probe Instruction Manual

Model: 26100900

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of the Fluke Networks Pro3000 Probe. The Pro3000 Probe is designed for accurate and efficient tracing and identification of cables in various network environments. Please read this manual thoroughly before operating the device to ensure proper functionality and to prevent damage or injury.

2. Safety Information

Always adhere to the following safety precautions when using the Fluke Networks Pro3000 Probe:

- Do not use the device on live electrical circuits unless specifically designed and rated for such use. The Pro3000 Probe is intended for low-voltage communication cabling.
- Ensure the battery compartment is securely closed before use.
- Keep the device dry and away from liquids.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Use only specified accessories and replacement parts.
- Store the device in a safe place, out of reach of children.

3. Package Contents

Verify that all items listed below are present in your package:

- Fluke Networks Pro3000 Unfiltered Probe
- 9V Battery (pre-installed or included separately)
- Replacement Probe Tip (stored in battery compartment)
- Carrying Case (for Tone & Probe Kit, if applicable)

4. Product Overview

The Fluke Networks Pro3000 Probe is a highly sensitive inductive amplifier designed to quickly and accurately identify and trace wires or cables within a bundle, at a patch panel, or behind walls. It works in conjunction with a tone generator (sold

separately or as part of a kit) to detect the generated tone.

Figure 4.1: Fluke Networks Pro3000 Probe. This image shows the main probe unit with its tip, ON/OFF button, and speaker grille.

Key features include:

- **Adjustable Volume Control Dial:** Allows users to easily adjust the sound level for comfortable and effective use in various environments.
- **Loud Speaker:** Enhances the audibility of the tone, making it easier to trace cables through common building materials like drywall and wood.
- **"Quick Twist" Tip:** Facilitates easy and rapid replacement of the probe tip when necessary.
- **Battery Compartment:** Houses the 9V battery and provides storage for an additional replacement probe tip.
- **SmartTone Technology:** When used with a compatible tone generator, this feature provides 5 distinct tones for precise pair identification.

5. Setup

5.1 Battery Installation

1. Locate the battery compartment cover on the back of the Pro3000 Probe.
2. Carefully slide or unclip the cover to open the compartment.
3. Insert a 9V alkaline battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Connecting to a Tone Generator

The Pro3000 Probe is an inductive amplifier and requires a tone generator (e.g., Fluke Networks IntelliTone Pro 200, Pro3000 Tone Generator) to function. Connect the tone generator to the cable you wish to trace. Refer to your tone generator's manual for specific connection instructions (e.g., RJ11, RJ45, alligator clips).

6. Operating Instructions

6.1 Tracing Cables

1. Ensure the tone generator is connected to the cable to be traced and is actively generating a tone.
2. Turn on the Pro3000 Probe by pressing the ON/OFF button.
3. Adjust the volume dial on the side of the probe to a comfortable listening level.
4. Place the tip of the Pro3000 Probe near the cable or bundle of cables you suspect contains the toned wire.
5. Move the probe tip along the path of the cables. The tone will be loudest when the probe is directly over the toned cable.
6. For precise identification within a bundle, slowly move the probe tip across individual cables until the tone is clearly heard on one specific cable.

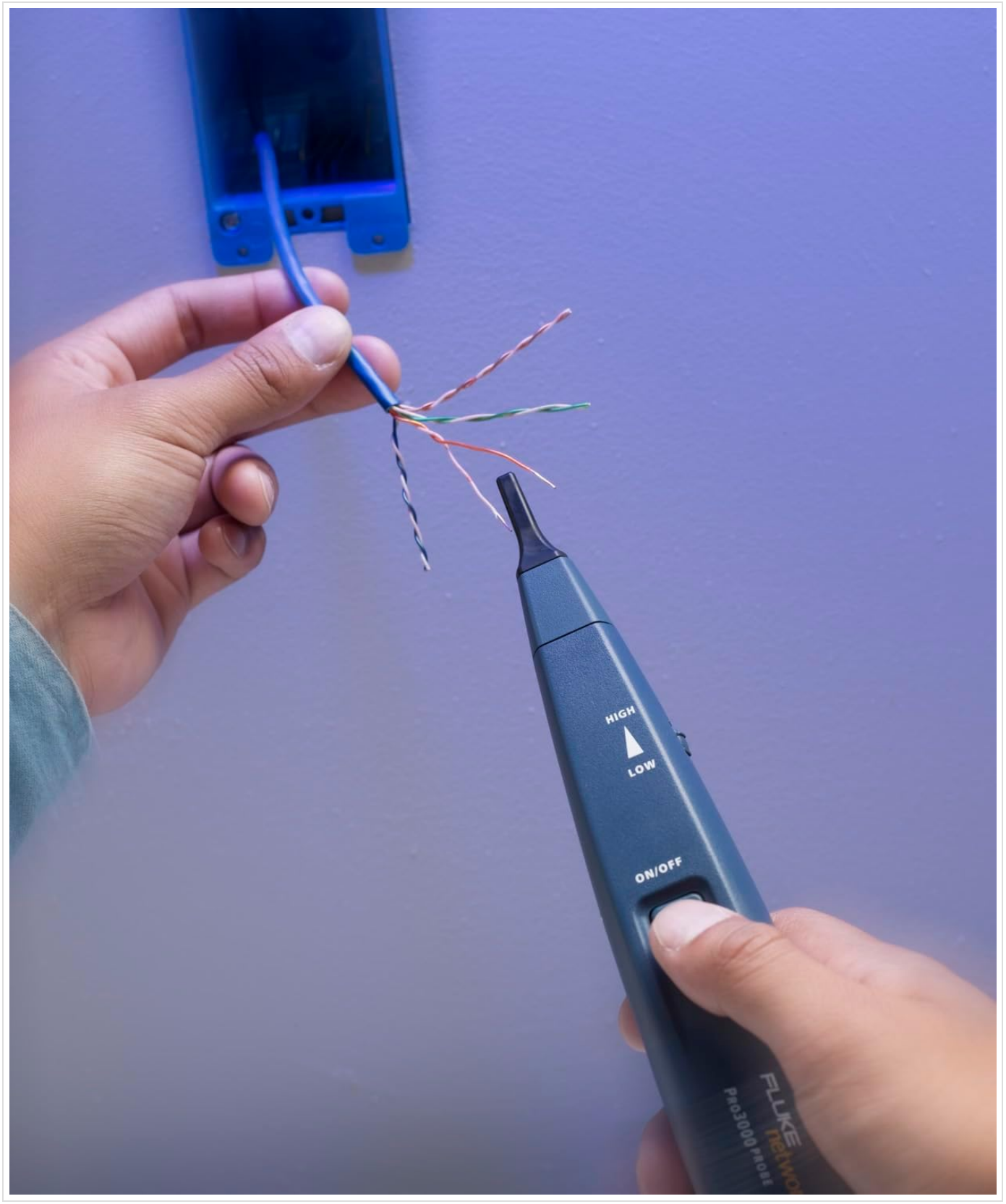

Figure 6.1: The Pro3000 Probe being used to identify individual wires from a bundle connected to a wall jack. The user holds the probe tip near the exposed wires to detect the tone.

Figure 6.2: Demonstrates the Pro3000 Probe in action, tracing cables connected to a patch panel. The probe's tip is positioned near the cable connections to isolate the toned line.

Figure 6.3: The Pro3000 Probe is shown tracing cables within a complex network cabinet, highlighting its utility in identifying specific lines among many.

6.2 Using SmartTone Technology (with compatible tone generator)

If your tone generator supports SmartTone technology, you can change the tone by momentarily shorting the cable pair at the far end. The Pro3000 Probe will detect this change, confirming you have identified the correct cable pair.

7. Maintenance

7.1 Cleaning

Wipe the exterior of the Pro3000 Probe with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is completely dry before storage or next use.

7.2 Probe Tip Replacement

The "Quick Twist" tip is designed for easy replacement. To replace the tip:

1. Grasp the existing probe tip firmly.
2. Twist the tip counter-clockwise to unlock and remove it.
3. Take a new replacement tip (one is stored in the battery compartment).
4. Align the new tip with the probe's opening and twist clockwise until it locks securely into place.

7.3 Battery Replacement

Replace the 9V battery when the tone becomes weak or the device fails to power on. Follow the battery installation steps in Section 5.1.

8. Troubleshooting

If you encounter issues with your Pro3000 Probe, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No tone detected	Probe is off; Dead battery; Tone generator not active; Incorrect connection to cable.	Ensure probe is ON; Replace 9V battery; Verify tone generator is active and properly connected to the cable.
Weak or intermittent tone	Low battery; Probe tip worn; Excessive interference; Cable too deep or shielded.	Replace 9V battery; Replace probe tip; Move away from sources of electrical interference; Try tracing closer to exposed cable ends.
Tone heard on multiple cables	Signal bleed (cables too close); High sensitivity setting.	Reduce the volume/sensitivity on the probe; Try to isolate cables further apart; Use SmartTone feature if available.

9. Specifications

Feature	Specification
Brand	Fluke Networks
Model	Pro3000 Probe (26100900)
Power Source	9V Battery (Alkaline)
Item Weight	0.1 Kilograms (3.52 ounces)
Dimensions (L x W x H)	13.19 x 9.5 x 1.77 inches
Min. Operating Voltage	9 Volts
Temperature Range	-20 to 60 Degrees Celsius

Feature	Specification
Measurement Accuracy	+/-0.5%
Usage	Professional
UPC	754082038962

10. Warranty and Support

Fluke Networks products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service, please visit the official Fluke Networks website or refer to the documentation included with your purchase.

You can also find additional resources, including the official user manual, at:Fluke Networks Pro3000 Probe User Manual (PDF)

For direct support, please contact Fluke Networks customer service.