

KLEIN TOOLS VDV501-851

KLEIN TOOLS VDV501-851 Cable Tester Kit Instruction Manual

Scout Pro 3 for Ethernet / Data, Coax / Video and Phone Cables

INTRODUCTION

The Klein Tools VDV501-851 Scout Pro 3 Tester Starter Kit is a versatile cable tester designed to locate and test voice (RJ11/12), data (RJ45), and video (coax F-connector) cables. This kit includes five location mapping remotes to identify multiple cable runs, ensuring accurate cable installations. Its backlit display enhances readability in various lighting conditions.

Klein Tools has been manufacturing professional-grade hand tools since 1857, focusing on performance, durability, and precision. This product continues that tradition, built with high-quality materials and superior workmanship.



Figure 1: Klein Tools VDV501-851 Scout Pro 3 Cable Tester Kit with included remotes and adapters.

SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Always follow local safety regulations and guidelines when working with electrical equipment. Ensure the work area is well-lit and free from hazards. Do not use the device if it appears damaged or if any part of the kit is missing.

SETUP

Package Contents:

- Scout® Pro 3 Tester
- (1) Self-storing remote
- (5) LanMap™ RJ45 locator remotes
- (5) CoaxMap™ F-connector locator remotes
- (1) Coax F-connector
- Manual
- 9V battery

VERSABLE VOICE/DATA/VIDEO TESTER

LOCATES AND TESTS COAX, DATA AND TELEPHONE CABLES



Kit includes:

- Scout® Pro 3 Tester
- (1) Delf-storing remote
- (5) LanMap™ RJ45 locator remotes
- (5) CoaxMap™ F-connector locator remotes
- (1) Coax F-connector,
- Manual
- 9V battery



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Figure 2: The Scout Pro 3 kit includes the main tester unit, various remotes for RJ45 and Coax, and a 9V battery.

Battery Installation:

1. Locate the battery compartment on the back of the Scout Pro 3 Tester.
2. Open the battery cover.
3. Insert one 9V battery, ensuring correct polarity.
4. Close the battery cover securely.



Figure 3: Rear view of the Scout Pro 3 Tester showing the 9V battery compartment.

OPERATING INSTRUCTIONS

Basic Cable Testing:

The Scout Pro 3 tests voice (RJ11/12), data (RJ45), and video (coax F-connector) terminated cables. The backlit LCD screen displays cable length, wiremap, cable ID, and test results.

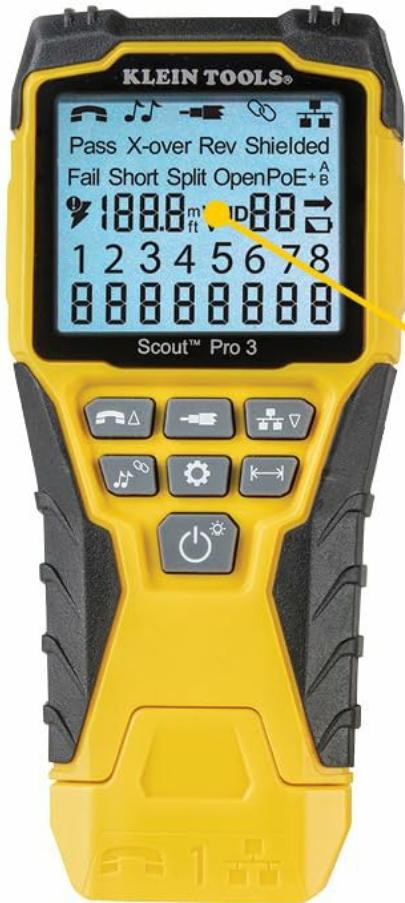
1. Connect one end of the cable to be tested to the appropriate port on the Scout Pro 3 Tester (RJ45, RJ11/12, or F-connector).
2. For end-to-end testing, connect the other end of the cable to a corresponding remote (LanMap for RJ45, CoaxMap for F-connector).
3. Press the test button on the Scout Pro 3. The display will show the test results, including any faults (Open, Short, Miswire, or Split-Pair).



Figure 4: Testing an Ethernet cable with the Scout Pro 3 Tester.

Cable Length Measurement:

The tester can measure cable length up to 2000 feet (610 m). After connecting the cable and initiating a test, the length will be displayed on the LCD screen.



Larger, backlit LCD screen with simplified user interface

Measure cable length up to 2,000 ft.



Tests voice (RJ11/12), data (RJ45) and video (coax F-connector) cables

Figure 5: The backlit LCD screen provides clear readings for cable length and wiremap.

Using Locator Remotes:

The kit includes five LanMap RJ45 and five CoaxMap F-connector location remotes. These allow for mapping and identification of multiple cable runs in a single step, streamlining cable management and organization.

SELF-STORING

TEST + MAP™ REMOTE



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Figure 6: The self-storing remote conveniently attaches to the main unit.



Figure 7: The kit includes multiple numbered remotes for identifying different cable runs.

Hub Blink Mode:

The Hub Blink mode helps identify port locations on a hub or switch, facilitating efficient network management. Activate this mode on the tester and observe the corresponding port's LED activity on the network device.



Figure 8: Using Hub Blink mode to identify a port on a network switch.

Cable Tracing (Optional):

The Scout Pro 3 features a multiple style tone generator to trace cables, wire pairs, and individual conductor wires. This function requires an analog probe (e.g., Klein Tools Cat. No. VDV500-123), which is sold separately.

MAINTENANCE

Cleaning:

Wipe the unit with a dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

Battery Replacement:

Replace the 9V battery when the low battery indicator appears on the LCD screen. Refer to the "Battery Installation"

section under Setup for detailed steps.

Storage:

Store the Scout Pro 3 Tester and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided case to protect the components.

TROUBLESHOOTING

If you encounter issues with your Scout Pro 3 Tester, try the following steps:

- **No Power/Display:** Ensure the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate Readings:**
 - Verify that the cable connectors are clean and properly seated in the tester and remote.
 - Ensure you are using the correct remote for the cable type (RJ45 for data, F-connector for coax).
 - Test with a known good cable to confirm the tester's functionality.
- **"Fail" or Error Messages:** The tester provides specific fault detection (Open, Short, Miswire, Split-Pair). Refer to the wiremap displayed on the screen to identify the exact pins causing the fault. This indicates an issue with the cable itself or its termination.



Figure 9: The display indicates specific cable faults like "Fail Short" for easy diagnosis.

SPECIFICATIONS

Feature	Detail
Model Number	VDV501-851
Brand	KLEIN TOOLS
Product Dimensions	6.9 x 3.2 x 1.5 inches
Item Weight	1.12 Pounds
Power Source	Battery Powered (1 x 9V battery required)
Cable Types Tested	Voice (RJ11/12), Data (RJ45), Video (Coax F-connector)

Feature	Detail
Max Cable Length Measurement	2000 feet (610 m)
Fault Detection	Open, Short, Miswire, Split-Pair
Display	Backlit LCD
Color	Yellow
Manufacturer	Klein Tools
Date First Available	March 6, 2020

WARRANTY AND SUPPORT

Warranty Information:

Klein Tools products are manufactured to the highest standards of quality and durability. For specific warranty details and terms, please refer to the official Klein Tools website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Customer Support:

For technical assistance, product inquiries, or support, please visit the official Klein Tools website or contact their customer support team. You can also refer to the comprehensive user guide available online:

Download Official User Guide
(PDF)

For more information about Klein Tools and their product range, visit the [KLEIN TOOLS Store on Amazon](#).

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