

INSTRUCTION MANUAL

Probe-Pro Tracing Probe

- TRACE INDIVIDUAL OR PAIRED WIRES*
- EASY-TO-UNDERSTAND STATUS LEDs
- REPLACEABLE PROBE TIP

* When used with
VDV500-063 Toner-Pro



GENERAL SPECIFICATIONS

The Klein Tools VDV500-123 Probe-Pro is a professional-series tone tracer, featuring an inductive probe with speaker for amplification, and LED light for use in dark spaces. It also features a headphone jack for use in extreme noise environments.

- **Operating Altitude:** 6562 ft. (2000 m) maximum
- **Relative Humidity:** 10% – 90% non-condensing
- **Operating Temp:** 14° to 122°F (-10° to 50°C)
- **Storage Temp:** -4° to 140°F (-20° to 60°C)
- **Dimensions:** 1.75" x 8.88" x 1.13" (44 x 226 x 29 mm)
- **Weight:** 5.7 oz. (161.6 g) including batteries
- **Battery Type:** 4 x 1.5V AAA Alkaline
- **Battery Life:** Active: 25 hours
Standby/Storage: 3 years
- **Auto-Power Off:** After 10 minutes of inactivity

Specifications subject to change.

FEATURE DETAILS

- P1 Replaceable Inductive Polymer Tip (VDV999-068)
- P2 Worklight
- P3 Worklight On/Off Button
- P4 Signal Strength Indicator
- P5 Power On/Off Button
- P6 Volume Increase Button
- P7 Volume Decrease Button
- P8 Battery Status Indicator
- P9 Speaker
- P10 Lanyard Slot
- P11 '-' (Negative) Terminal
- P12 '+' (Positive) Terminal
- P13 Terminal Release Buttons
- P14 Verification Indicator
- P15 Battery Cover
- P16 Battery Cover Screw (#2 Phillips)
- P17 3.5mm Headphone Jack*

***CAUTION:** Excessive volume can cause permanent hearing damage. Use as low a volume as possible.



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FEATURE DETAILS



⚠ WARNINGS

To ensure safe operations and service of the instrument, follow these instructions. Failure to observe these warnings can result in fire, electric shock, severe injury or death.

- The Probe-Pro is designed for use on extra-low voltage cabling systems (less than 60 volts) for testing when **NOT** energized.
- **DO NOT** use instrument if wet, as it could pose a shock hazard.
- **DO NOT** use instrument if damaged in any way.
- Turn off instrument before attempting to replace batteries.
- The battery door must be in place and secure before you operate the instrument.
- **DO NOT** open the case, other than the battery compartment.

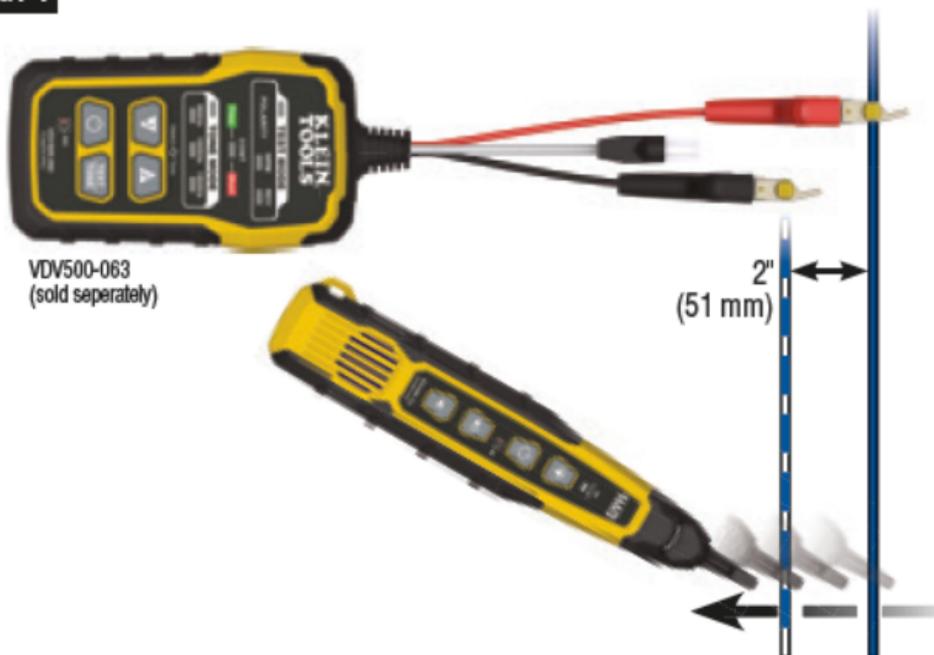
OPERATING INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE OPERATING AND RETAIN INSTRUCTIONS FOR FUTURE REFERENCE

TRACING PAIRED WIRES (FIG. 1)

1. Connect tone generator (VDV500-063 Toner-Pro recommended, sold separately) to the wires of the pair to be traced, following the tone generator's instructions.
2. Turn the Probe-Pro on by pressing the Power On/Off button **P5**.
3. At the far end of the cable, spread the wires apart at least 2' (51 mm), if possible.
4. Use the Probe-Pro to scan the cable's wire pairs. Move the Probe-Pro's tip **P1** slowly across the wires (FIG. 1). The Probe-Pro's volume will increase as it approaches the toned pair. When the Probe-Pro's volume is high over the first wire, low in the middle (between) the two wires, and high over the second wire, you have located the pair of wires you are tracing. Use the Volume Increase **P6** and Volume Decrease **P7** buttons to adjust the volume.

FIG. 1

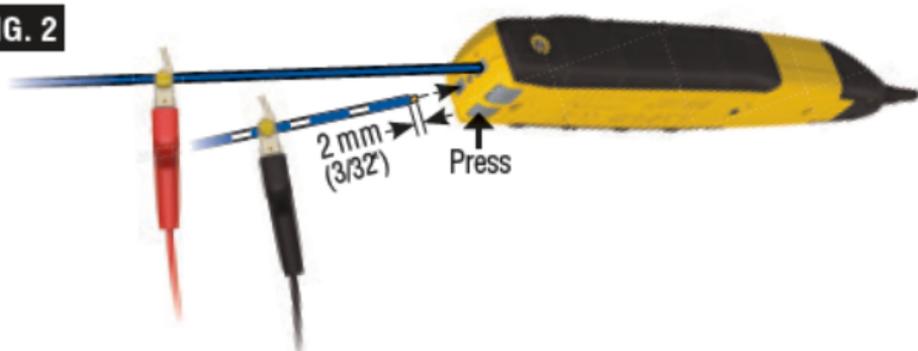


OPERATING INSTRUCTIONS

VERIFYING TONED PAIRS (FIG. 2)

1. Connect tone generator (VDV500-063 Toner-Pro recommended, sold separately) to the cable to be traced, following the tone generator's instructions.
2. On the other end of the cable, remove approximately 2 mm (3/32") of the outer jacket of each of the wires believed to be the toned pair.
3. Insert the wire connected to the positive test clip of the tone generator to the "+" (Positive) Terminal **P12**, and the wire currently in the negative test clip of the tone generator to the "-" (Negative) Terminal **P11**. To access the terminals, press their respective Terminal Release buttons **P13**, insert the wire(s) and release (FIG. 2). The Verification Indicator **P14** will illuminate when the correct pair is inserted.

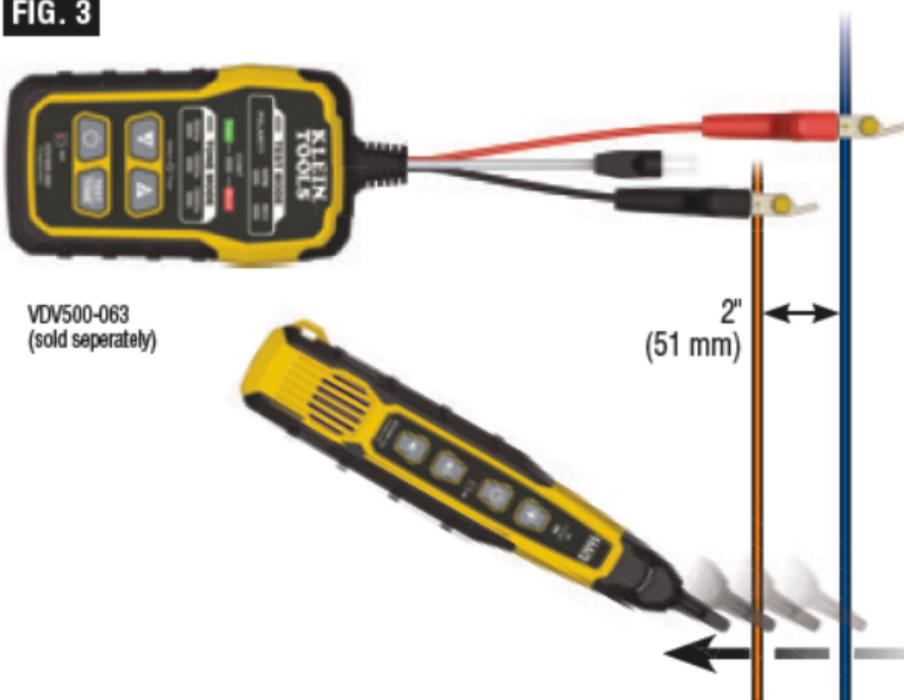
FIG. 2



TRACING NON-PAIRED WIRES (FIG. 3)

1. Connect tone generator (VDV500-063 Toner-Pro recommended, sold separately) to the wires to be traced, following the tone generator's instructions.
2. Turn the Probe-Pro on by pressing the Power On/Off button **P5**.
3. At the far end of the cable, spread the wires at least 2" (51 mm) apart, if possible.
4. Use the Probe-Pro to scan the cable's wire pairs. Move the Probe-Pro's tip **P1** slowly across the wires. The Probe-Pro's volume will increase as it approaches the toned wire.

FIG. 3



OPERATING INSTRUCTIONS

USING THE PROBE'S WORKLIGHT

The Probe-Pro has a worklight (P2) to aid in illuminating dark or low-light work areas. Press the Worklight On/Off button (P3) to turn the light on and off.

MAINTENANCE

BATTERY REPLACEMENT

When the Battery Status Indicator (P8) blinks, the batteries must be replaced.

1. Turn off instrument(s) before attempting to replace batteries.
2. Loosen screw (P6) on battery cover (P6).
3. Remove and properly dispose of four 1.5V AAA batteries.
4. Install new batteries (note proper polarity).
5. Replace battery cover and fasten securely with screw.

 **To avoid risk of electric shock, do not operate while battery door is removed.**

PROBE-PRO TIP REPLACEMENT (KLEIN CAT. NO. VDV999-068)

The tip (P1) of the Probe-Pro is replaceable if damaged. To remove and replace tip:

1. Turn tip 1/4 turn and pull gently to remove.
2. Insert new tip with key in proper orientation and push gently.
3. Rotate 1/4 turn to lock into place.

CLEANING

Be sure instrument is turned off and wipe with a clean, dry lint-free cloth. **Do not use abrasive cleaners or solvents.**

STORAGE

Remove the batteries when instrument is not in use for a prolonged period of time. Do not expose to high temperatures or humidity. After a period of storage in extreme conditions exceeding the limits mentioned in the GENERAL SPECIFICATIONS section, allow the equipment to return to normal operating conditions before using.



Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see www.epa.gov or www.erecycle.org for additional information.

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