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Teknetics TEK-POINT

Teknetics Tek-Point Pulse Induction Pinpointer User Manual

Model: TEK-POINT

1. INTRODUCTION

Thank you for choosing the Teknetics Tek-Point Pulse Induction Pinpointer. This device is designed to accurately locate metal objects in various environments, including soil, sand, and underwater. Its pulse induction technology provides enhanced sensitivity, especially in mineralized ground. Please read this manual thoroughly before operating your pinpointer to ensure proper use and to maximize its performance and longevity.

The Tek-Point is a fully waterproof pinpointer, submersible to 6 feet, making it suitable for both fresh and saltwater use. It features an LED light for low-light conditions and comes with a belt holster for convenient carrying.

2. PRODUCT OVERVIEW

The Tek-Point pinpointer is engineered for precision and durability. Familiarize yourself with its main components and features.

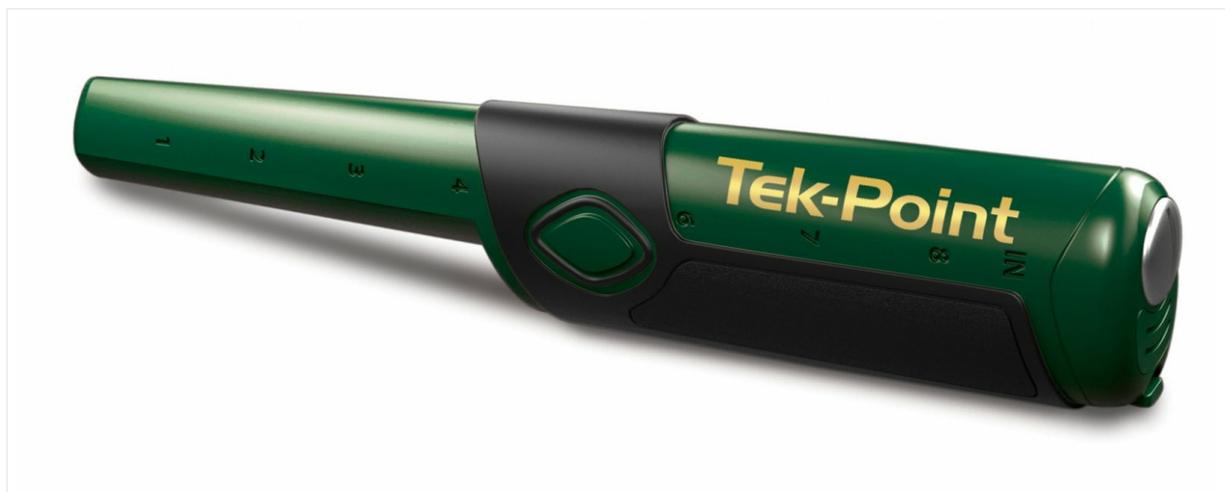


Figure 1: Teknetics Tek-Point Pulse Induction Pinpointer. This image displays the green-colored pinpointer, highlighting its compact design, the tip for detection, and the control button. A belt holster is also visible, indicating its portability.

Key Features:

- **Pulse Induction Technology:** Provides superior depth and sensitivity, especially in challenging ground conditions.
- **Waterproof Design:** Fully submersible up to 6 feet (1.8 meters) for use in wet environments.
- **Detection Modes:** Offers audible beep, vibration, or a combination of both for target indication.
- **LED Light:** Integrated LED for illuminating the target area in low-light conditions.
- **Single Button Operation:** Simple and intuitive control for all functions.
- **3 Sensitivity Levels:** Adjustable sensitivity to fine-tune detection for various target sizes and conditions.
- **Lost Mode Alarm:** An alarm feature to help locate the pinpointer if misplaced.
- **Belt Holster:** Included for convenient and secure carrying.

3. SETUP

3.1 Battery Installation

The Tek-Point pinpointer requires one 9V battery (not included) for operation. Ensure the battery is fresh and correctly installed for optimal performance.

1. Locate the battery cap at the rear end of the pinpointer.
2. Unscrew the battery cap by turning it counter-clockwise.
3. Insert a fresh 9V battery, ensuring the positive (+) and negative (-) terminals align correctly with the pinpointer's contacts.
4. Carefully screw the battery cap back on clockwise until it is securely tightened. Ensure the O-ring seal is properly seated to maintain the waterproof integrity of the device.

Important: Always ensure the battery cap is fully tightened before submerging the pinpointer in water to prevent water ingress and damage.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To turn on the pinpointer, press and hold the power button for approximately 1 second until you hear a short beep and/or feel a vibration. The LED light will also illuminate briefly.
- To turn off the pinpointer, press and hold the power button for approximately 2 seconds until you hear a longer beep and/or feel a longer vibration. The LED light will turn off.

4.2 Sensitivity Adjustment

The Tek-Point has 3 sensitivity levels. Adjusting the sensitivity allows you to optimize detection for different target sizes and ground conditions.

1. With the pinpointer powered on, quickly press the power button repeatedly to cycle through the sensitivity levels.
2. Each press will advance to the next sensitivity level, indicated by a series of short beeps/vibrations (e.g., one beep for Level 1, two for Level 2, three for Level 3).
3. Level 1 is the lowest sensitivity, suitable for large targets or highly mineralized ground. Level 3 is the highest sensitivity, ideal for small targets or less mineralized ground.

4.3 Detection Modes (Beep, Vibrate, Both)

The pinpointer can be set to beep, vibrate, or both when a target is detected.

- To change the detection mode, press and hold the power button for approximately 3 seconds (after powering on, but before powering off). The pinpointer will cycle through the modes: Beep Only, Vibrate Only, Beep + Vibrate.
- Release the button when you reach your desired mode.

4.4 Lost Mode Alarm

If the pinpointer is left on and inactive for a period (typically 5 minutes), it will emit an audible alarm to help you locate it. This feature helps prevent accidental loss in the field.

4.5 Using the LED Light

The integrated LED light automatically activates when the pinpointer is turned on, providing illumination for the target area. It will turn off when the pinpointer is powered off.

5. MAINTENANCE

5.1 Cleaning

- After each use, especially in wet or sandy conditions, rinse the pinpointer with fresh water.
- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the battery cap area and O-ring are free of dirt and debris.
- Allow the pinpointer to air dry completely before storage.

5.2 Battery Care

- Remove the battery if the pinpointer will not be used for an extended period to prevent leakage and damage.
- Dispose of used batteries responsibly according to local regulations.

5.3 Storage

Store the pinpointer in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided belt holster for protection during transport and storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pinpointer does not turn on.	Dead or incorrectly installed battery.	Replace with a fresh 9V battery and ensure correct polarity. Check battery cap is tightened.
Weak or inconsistent detection.	Low battery; incorrect sensitivity setting; highly mineralized ground.	Replace battery. Adjust sensitivity level (try lower levels in mineralized ground).
False signals or chatter.	High sensitivity in noisy environments; electromagnetic interference.	Reduce sensitivity. Move away from power lines or other electronic devices.

Problem	Possible Cause	Solution
Water ingress after submersion.	Battery cap not properly sealed or O-ring damaged.	Ensure battery cap is fully tightened before submersion. Inspect O-ring for damage and replace if necessary.

7. SPECIFICATIONS

- **Model:** TEK-POINT
- **Detection Technology:** Pulse Induction
- **Water Resistance:** Fully submersible to 6 feet (1.8 meters)
- **Sensitivity Levels:** 3 (Adjustable)
- **Detection Modes:** Audio Beep, Vibration, Audio + Vibration
- **Power Source:** 1x 9V Battery (not included)
- **Integrated Features:** LED Light, Lost Mode Alarm
- **Material:** Durable Plastic
- **Dimensions:** Approximately 10.3 x 3.3 x 2 inches (26.2 x 8.4 x 5.1 cm)
- **Weight:** Approximately 9.6 ounces (272 grams) without battery
- **Included Accessories:** Belt Holster

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Teknetics website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Teknetics

For further assistance, you may contact Teknetics customer service through their official channels. Details are typically available on the manufacturer's website or in the product packaging.