

**SUNPOW OTMD01**

# SUNPOW Metal Detector Pinpointer User Manual

Model: OTMD01

Brand: SUNPOW

## 1. INTRODUCTION

The SUNPOW Pinpointer Metal Detector is a high-precision, fully waterproof device designed for efficient metal detection. Its 360-degree probe and multiple detection modes make it suitable for various environments, from quiet gardens to noisy outdoor settings and even underwater. This manual provides detailed instructions for setting up, operating, and maintaining your pinpointer to ensure optimal performance and a rewarding treasure hunting experience.



Image 1.1: SUNPOW Pinpointer Metal Detector with all included accessories.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x SUNPOW Pinpointer Metal Detector
- 1 x 9V Battery
- 1 x Belt Holster
- 1 x English User Manual
- 1 x Retractable Hanging Wire
- 1 x Storage Bag

## 3. KEY FEATURES

- **360-Degree Probe & Three Optional Modes:** The pinpointer features a 360-degree detection area, extending the detection range and minimizing target loss. It offers three distinct modes: Vibration (silent), Audio, and a combined Vibration & Audio mode, adaptable for quiet, noisy, or underwater environments.

- **Fully Waterproof Design (IP68):** Engineered for all weather conditions, this metal detector can be fully submerged in water, including lakes, rivers, ponds, and oceans, allowing for underwater treasure hunting.
- **Deep & Precise Metal Detection:** Capable of quickly and accurately targeting objects up to 11 cm (4.3 inches) deep. It can detect various metals such as iron, aluminum, gold, bronze, and silver, providing precise small-scale positioning that larger metal detectors cannot achieve.
- **One-Touch Operation, Lightweight & Portable:** Simple one-button control for powering on (long press) and switching modes (single click). With a length of 27 cm (10.6 inches) and a weight of 340g (0.75 lbs), it is highly portable and easy to carry.



Image 3.1: Key features and components of the SUNPOW Pinpointer.



# IP68 ÉTANCHE

Entièrement étanche, adapté aux lacs, rivières, étangs et océans, etc.



Image 3.2: The pinpointer's IP68 waterproof capability.

# POIDS LÉGER & PORTABLE

Emportez-le où vous voulez



Image 3.3: Portability of the SUNPOW Pinpointer.

## 4. SETUP

### 4.1 Battery Installation

1. Unscrew the battery cover located at the end of the pinpointer.
2. Insert the included 9V battery into the battery compartment, ensuring the correct polarity (+/-) alignment.
3. Securely screw the battery cover back on. Ensure it is tightly sealed to maintain the device's waterproof integrity.

## 5. OPERATING INSTRUCTIONS

## 5.1 Power On/Off

- To power on the device, press and hold the orange button for approximately 2 seconds until you feel a vibration or hear a sound (depending on the current mode).
- To power off the device, press and hold the orange button again for approximately 2 seconds.

## 5.2 Changing Detection Modes

The SUNPOW Pinpointer offers three detection modes:

- **Vibration Mode:** Ideal for silent operation or when working in noisy environments where audio alerts might be missed.
- **Audio Mode:** Provides clear sound alerts, suitable for general use in quiet to moderately noisy areas.
- **Vibration & Audio Mode:** Combines both alerts for maximum feedback, recommended for most treasure hunting scenarios.

To cycle through the modes, simply press the orange button once (single click) while the device is powered on.



## 3 MODES DIFFÉRENTS



Image 5.1: The three detection modes: Sound & Vibration, Sound, and Vibration.

### 5.3 Metal Detection

Once powered on and in your desired mode, slowly sweep the pinpointer over the area you wish to scan. The 360-degree detection area allows for efficient scanning. As the pinpointer approaches a metal object, the vibration and/or audio alert frequency will increase, indicating proximity to the target. The closer you get, the faster the alerts will become, helping you pinpoint the exact location of the buried item.

# DÉTECTION HAUTE PROFONDEUR



Image 5.2: Demonstrating deep detection up to 11.43 cm.

## 6. MAINTENANCE

- **Cleaning:** After each use, especially if used in wet or muddy conditions, wipe down the pinpointer with a damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Battery Care:** If the device will not be used for an extended period, remove the 9V battery to prevent leakage and potential damage to the electronics.
- **Storage:** Store the pinpointer in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided storage bag for protection.

## 7. TROUBLESHOOTING



- **Device does not power on:**

- Ensure the 9V battery is correctly installed with the correct polarity.
- Check if the battery has sufficient charge. Replace with a new battery if necessary.
- Ensure the battery cover is securely tightened.

- **Weak or inconsistent detection:**

- The battery might be low. Replace the 9V battery.
- Ensure you are sweeping the pinpointer slowly and steadily over the target area.

- **False signals:**

- Environmental interference can sometimes cause false signals. Try moving to a different location.
- Ensure there are no other electronic devices or strong magnetic fields nearby.

If you encounter issues not covered here, please refer to the Warranty and Support section for assistance.

## 8. SPECIFICATIONS

Attribute	Value
Product Dimensions (L x W x H)	27.5 x 6 x 6 cm (10.8 x 2.4 x 2.4 inches)
Item Weight	300 Grams (0.66 lbs)
Item Model Number	OTMD01
Battery(ies)	1 x 9V (included)
Material	Metal
Power Source	Battery Powered
Color	Black
International Protection Rating	IP68 or higher
Adjustable Length	Yes
Country of Origin	China

## 9. WARRANTY AND SUPPORT

Your SUNPOW Metal Detector Pinpointer is designed for durability and performance. While specific warranty details are not provided in this manual, SUNPOW is committed to customer satisfaction.

If you encounter any problems or have questions regarding your product, please do not hesitate to contact us via Amazon's messaging service. Our customer service team will do their best to provide you with prompt and effective assistance.

For the latest support information and contact methods, please visit the official SUNPOW store on Amazon or refer to your purchase documentation.


Related Documents

	<p><a href="#">SUNPOW OT-MD03 Metal Detector User Manual for Adults &amp; Kids</a></p> <p>Comprehensive user manual for the SUNPOW OT-MD03 Metal Detector. Learn how to use this high-accuracy device, featuring an LCD display, pinpoint function, DISC mode, and a waterproof search coil, for metal detecting adventures.</p>
	





**2.Position the Detector:**  
1) Place the detector on a table with the search coil hanging over the edge.  
2) Be sure that the search coil is far away from walls or metal objects. Keep the search coil away from any metal in the table.  
3) Turn off equipment that may interfere with electromagnetic radiation.  
4) Point the search coil back.  
5) Press **POWER** to turn on.



**3.Using ALL METAL Feature**  
Wave all objects over the search coil and notice the different areas.

**4.Using DISC (Discrimination) Features:**  
1) Press MENU until DISC is displayed on LCD.  
2) Press "+" once. The bottle cap(s) indicator will disappear.  
3) Wave the bottle cap. It will not be detected because it has been "discriminated out".

**5.Using NOTCH Features**  
1) Press MENU until NOTCH is displayed on LCD.  
2) Press "+" twice. Be still for 3 seconds and disappear that means 5s to "notch out" (eliminated). To eliminate 1s, press "+" until 1s flash and disappear.

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3) Wave 5s or 1s over the search coil. 5s and 1s will not be detected because they have been "notched out"(eliminated). Notice the target categories disappear on LCD can not be detected.

If you want to pick up the target type you eliminated before, press "-" or "+" to the target, and then wait for the target to flash for 3 seconds, or press MENU button when it is flashing.

**6.Using PINPOINT Feature:**  
1) Press and hold "PINPOINT" button, PP will appear on LCD display.  
2) Hold a coin monitously over the search coil.  
3) Sweep the coin over search coil.  
4) Notice that the sound changes as the coin moves closer or further.  
5) Notice that the depth indicator changes as the coin moves up and down.

**7.Adjusting SENS(Sensitivity)**  
1) Press MENU until SENS is displayed on LCD.  
2) Press "+" or "-" to set the SEN. Sensitivity level can be set from 1 to 15.

**8.Adjusting VOLUME**  
1) Press MENU until VOLUME is displayed on LCD.  
2) Press "+" or "-" to set Volume. Volume level can be set from 0 to 10.

**OVERLOAD WARNING**  
If a metal object or highly magnetic area is too close to the

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search coil, the detector will overload and "-" will appear on LCD display. The detector will make a rapid, repeating mid-tone warning sound. Overload will not harm the detector, but the detector will not function in these conditions. If overload occurs, keep the search coil away from the target.

**Note:** There is a wide variety of metals and no target can be identified for certain until overloaded. This table is for general reference only.

#### HOW TO DETECTING

1. Find a place outside where there is no metal.
2. Place a sample you want to find on the ground.
3. Press **POWER** to turn on the detector.
4. Swing the search coil gently from side to side, slightly overlapping each sweep as you move forward. Keep your search coil approximately 2 inches above the ground as you search.



**Notes:**  
• Pausing it during the sweep or at the ends of your sweep, can cause false readings.  
• Move slowly, hurrying will cause you to miss targets.

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• Most desirable objects will respond with a repeatable tone. When discriminating iron and ferrous objects generally do not respond.  
• False signals can be caused by trashy ground, electrical interference, or by large irregular trash objects. These signals are easily recognized by their often broken or non-repeatable nature.

#### DETECTING WITH PINPOINT

After you find a target, you can use PP(Pinpoint) to find the exact location of the target as follows:  
1. Press and hold PP to activate the Pinpoint feature.  
2. Move the search coil slowly across the target, and you can locate it by the sound.  
**Narrow the Detection Range:**  
1. To narrow the response further, position the search coil near the target.  
2. Press PP button and hold, move the search coil slowly.  
3. When you hear the sound, you can release the PP.  
4. And then press PP to continue the detection. In this way, you can narrow the range of the target.  
5. Repeat the above steps.  
When the coil moves to the center of the target, the signal from the detector is the strongest.

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#### Troubleshooting Guide

Problem	Reason	Suggestion
The detector displays no signal, without any sound, without detecting any target.	1. The detector may require recharging and fully charged. 2. The battery may be low. 3. The battery may be old.	1. Charge the battery/replace the battery. 2. Replace the battery.
The detector sounds when it is on.	1. Separately set high frequency discrimination. 2. Separately the detector is in a low frequency and high frequency mode. 3. The detector is in a low frequency mode.	1. Reduce sensitivity. 2. Set the detector to a low frequency and high frequency mode. 3. Set the detector to a low frequency mode.
The detector does not detect anything.	1. Sensitivity set too low. 2. Target is too small. 3. Search coil is not parallel to the ground.	1. Increase sensitivity. 2. Increase the target size. 3. Adjust the search coil to be parallel to the ground.
LCD display switches target categories or no target.	1. There may be too much metal. 2. The detector can't identify the target. 3. The detector can't identify the target.	1. Reduce the sensitivity to the target. 2. Increase the target size. 3. Set the detector to a low frequency mode.
No sound, no sound.	1. The search coil is not connected to the detector.	1. The plug is empty. 2. The plug is empty.

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**NOTE: IF YOU EXPERIENCE A PROBLEM, PLEASE CONTACT OUR CUSTOMER SERVICE FIRST. YOU CAN REACH US AT [support@wincos210.com](mailto:support@wincos210.com) OR [wincos210.com](http://wincos210.com). OUR PROFESSIONAL REPRESENTATIVES AND ENGINEERS ARE HERE READY TO HELP.**

#### Care and Maintenance

Our metal detector is an example of superior design and craftsmanship. The following suggestions will help you care for your metal detector as you use it for years.  
1. Handle the detector gently and carefully. Dropping it can damage circuit boards and cause it not to work properly.  
2. Use the detector only in normal temperatures and humidity. Extreme heat and cold can damage the life of electronic devices, damage the coils of the detector.  
3. Keep the detector away from dust and dirt, which can cause premature wear.  
4. Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the detector.

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Thank you for choosing **Wincos210** metal detector. Please read the user's manual carefully before operating the metal detector. For the latest information, please visit our website at [wincos210.com](http://wincos210.com). If you have any questions or need help, please contact us at [support@wincos210.com](mailto:support@wincos210.com). We are here to help you.

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#### FEATURES

With your MD - 820 metal detector, you can hunt for coins, jewelry, gold, and more anywhere. The detector comes with high sensitivity and strong ability of discrimination. It is versatile and easy to use.

**\*LCD Display** Shows the probable type of metal, the signal



2. Perform the steps of 2 described in section of Sensor Testing and Use to set the operating mode.  
3. Find an area in the ground where there is no metal.  
4. Place a sample of the material that you want the detector to find (such as a gold ring or a coin) on the ground.  
5. Hold the search coil in the ground about 10 cm below the surface and then move the search coil over the area slowly where you placed the sample and observing the search coil in a side-to-side motion.  
**Search coil Sweeping Hints:**  
- Repeat sweeps the search coil as if it were a pendulum. Flaring the search coil while sweeping or at the end of a sweep will cause false readings.



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-Sweep slowly, hurrying will cause you to miss targets, and if hurrying you sweep, the search coil may have to dig in to find a target.  
-If the detector detects the item, it sounds a long, and the LCD shows the numeric range of target as well as the signal strength.  
-If the LCD shows a low numeric range, make sure that the mode is set correctly for the type of metal being searching for. Also make sure that you're moving the search coil correctly.

**Notes:**  
-The detector responds with a signal when it detects most valuable metal objects. If a signal does not repeat after you sweep the search coil over the target a few times, the target is probably just noise.  
-False signals can be caused by trashy ground, electrical interference, or large irregular pieces of junk metal.  
-False signals are usually broken or non-repeatable.

**Adjusting SENSITIVITY**  
After you become familiar with how your detector works, it's important to fine-tune the sensitivity to get a good result.  
- Press **SENS** to enter SENS. The LCD shows 10 or increases the sensitivity. The level will be displayed on the LCD.

**Note:**  
The sensitivity of the machine is set to medium and is suitable for most targets. You need to adjust the sensitivity for the find detection. This machine has a 5-level sensitivity. It will continue the find settings when the machine will have a self-preset function to return.

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and cannot switch the function by pressing the button. You can release the button and press it again by changing the setting. If you want to change the setting, press the button and hold it for 5 seconds. Then the button switches function and returns to normal.

**Using Backlight**  
In dark area, you can use Backlight for better searching. Press backlight button to turn on the backlight.

**Note:** As the backlight consumes more power, suggest you turn off the backlight in normal environment.

**Factors that Affect the Detecting**

It's difficult to have an accurate detecting result. Sometimes the detecting result is affected by some factors.  
- The depth of the target.  
- The size of the target.  
- The level of soil and the target.  
- The level of soil and the target.

**Electromagnetic and electrical interference**  
In an area of highly electrified ground or fertile ground or wet sand, the detector will sound even if there is no metal in this case you can lower the sensitivity or increase the DISC numeric value. Also with many metal, you can set the DISC numeric value to 50. In this case most rust and small pieces of iron will be detected.

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Troubleshooting Guide		
Problem	Reason	Suggestion
The detector may not detect any metal objects or the search coil may not work properly.	1. The detector may not be in the correct mode. 2. The search coil may not be in the correct mode. 3. The search coil may not be in the correct mode.	1. Change the mode to the correct mode. 2. Change the search coil to the correct mode. 3. Change the search coil to the correct mode.
	4. The search coil may not be in the correct mode. 5. The search coil may not be in the correct mode.	4. Change the search coil to the correct mode. 5. Change the search coil to the correct mode.
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**NOTE: IF YOU EXPERIENCE A PROBLEM, PLEASE CONTACT OUR CUSTOMER SERVICE FIRST. YOU CAN REACH US AT: [support@wonderful.com](mailto:support@wonderful.com). OUR PROFESSIONAL REPRESENTATIVES AND ENGINEERS ARE HERE READY TO HELP.**

**CARE AND MAINTENANCE**  
Your metal detector is an example of superior design and craftsmanship. The following suggestions will help you care for your metal detector, so you can enjoy it for years.

- Handle the detector gently and carefully. Dropping it can damage circuit boards and cause it to lose the ability to work properly.
- Use the detector only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and damage the case of the detector.
- Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the detector.
- Keep the detector away from dust and dirt, which can cause premature wear of parts.

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OT-MD02	
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**SAFETY**

Read and understand all safety instructions before using the metal detector. Failure to follow these instructions may result in injury or property damage.

**WARNING:** The metal detector is not to be used near power lines, gas lines, or other underground utilities. Always maintain a safe distance from these hazards.

**CAUTION:** The metal detector is not to be used in areas with known or suspected radioactive materials. Always follow local regulations and guidelines.

**PREVENTION AND THE ENVIRONMENT:** The metal detector is not to be used in areas with known or suspected radioactive materials. Always follow local regulations and guidelines.

**Package Contents**

The package contains the following items:

- 1 x Metal Detector
- 1 x Control Unit
- 1 x Search Coil
- 1 x Battery Pack
- 1 x User Manual
- 1 x Warranty Card

**Assembly**

Follow the steps below to assemble the metal detector:

1. Insert the battery pack into the control unit.
2. Attach the search coil to the control unit.
3. Turn on the control unit.

**Operation**

Follow the steps below to operate the metal detector:

1. Turn on the control unit.
2. Adjust the sensitivity and discrimination settings.
3. Sweep the search coil over the ground.
4. Listen for audio signals and watch the display for visual signals.
5. Dig for any detected metal objects.

**Troubleshooting**

Refer to the troubleshooting section for common problems and solutions.

**Maintenance**

Follow the steps below to maintain the metal detector:

1. Clean the search coil and control unit after each use.
2. Check the battery level and replace the batteries as needed.
3. Store the metal detector in a dry, cool place.

**Specifications**

The metal detector has the following specifications:

- Frequency: 18.5 kHz
- Search Depth: Up to 10 feet
- Search Area: 1.5m x 1.5m
- Weight: 10 lbs

**Warranty**

The metal detector is covered by a 1-year warranty. The warranty covers defects in materials and workmanship. It does not cover damage caused by misuse or accidents.

**Contact Information**

For more information, please contact SUNPOW at [sunpow@sunpow.com](mailto:sunpow@sunpow.com) or 1-800-123-4567.

**Index**

Refer to the index for a quick reference to the topics in this manual.

**Appendix A: Troubleshooting**

Refer to Appendix A for a detailed troubleshooting guide.

**Appendix B: Safety Instructions**

Refer to Appendix B for a detailed safety guide.

**Appendix C: Maintenance**

Refer to Appendix C for a detailed maintenance guide.

**Appendix D: Specifications**

Refer to Appendix D for a detailed specifications guide.

**Appendix E: Warranty**

Refer to Appendix E for a detailed warranty guide.

## [SUNPOW OT-MD02 Metal Detector User Manual](#)

Comprehensive user manual for the SUNPOW OT-MD02 metal detector, detailing its features, operation, specifications, and troubleshooting tips for hobbyists and enthusiasts.