

VEVOR SS283

VEVOR Metal Detector SS283 User Manual

Model: SS283

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your VEVOR Metal Detector SS283. This professional metal detector is designed for accurate detection of various metals across different terrains, featuring a 12-inch waterproof search coil, an FSTN display, and multiple detection modes.

Key features include a stable 5.8 kHz operating frequency for precise target identification, an IP68 waterproof search coil for use in wet conditions, and an adjustable telescopic handle for comfortable use by various individuals.

2. SAFETY INFORMATION

- Always obtain permission before searching on private property.
- Avoid searching in areas where underground cables or pipes may be present.
- Exercise caution when digging to prevent injury or damage to property.
- The control unit and display are not waterproof. Protect them from moisture.
- Keep the device away from strong magnetic fields.

3. PACKAGE CONTENTS

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

- Metal Detector (Main Unit) x1
- Headphones x1
- Metal Digging Shovel x1
- Carry Bag x1
- 9V Batteries x2
- Phillips Screwdriver x1
- User Manual x1



Item Model Number: **SS283** Power Supply: **DC 18V**
 Audio Frequency: **800–1000 Hz** Operating Frequency: **5.8 kHz**
 Waterproof Rating: **IP68 (Search Coil Only)** Main Material: **ABS**
 Net Weight: **5.5 lbs / 2.5 kg** Search Coil Size: **12 in/304.8 mm**
 Detection Depth: **12 in /304.8 mm (U.S. Quarter Coin Test)**
 Sensitivity: **≤11.8 in / 300 mm (U.S. Quarter Coin Test)**
 Product Dimensions: **55.1 × 12.0 × 12.0 in / 1400 × 305 × 305 mm**

Metal Detector x1 Headphones x1 Metal Digging Shovel x1 Carry Bag x1
9V Batteries x2 Phillips Screwdriver x1 User Manual x1

Image: Package Contents and Dimensions. This image displays the VEVOR Metal Detector SS283 along with its accessories, including headphones, a digging shovel, a carry bag, 9V batteries, and a screwdriver. It also illustrates the overall dimensions of the assembled detector.

4. PRODUCT COMPONENTS

Familiarize yourself with the main components of your metal detector:

- **Control Unit:** Houses the FSTN display, control buttons, and battery compartment.
- **Telescopic Stem:** Adjustable length for user comfort.
- **Armrest:** Provides support during use.
- **Search Coil:** 12-inch diameter, IP68 waterproof for detecting targets.
- **Coil Cable:** Connects the search coil to the control unit.

Easy Height Adjustment

Suitable for users from young to adult



Image: Adjustable Height. This image shows the VEVOR Metal Detector SS283 with its telescopic stem adjusted to different heights, ranging from 39 inches to 50 inches, demonstrating its suitability for various user heights.

Clear FSTN Display in Bright Sunlight



Clear display with anti-glare surface



Glare causes poor readability

Image: FSTN Display and Controls. This image highlights the FSTN display panel of the VEVOR Metal Detector SS283, showing various buttons for mode selection, sensitivity adjustment, volume control, and pinpointing. It also illustrates the clear visibility of the display in bright sunlight compared to other displays.

5. SETUP AND ASSEMBLY

Follow these steps to assemble your metal detector:

1. **Attach the Search Coil:** Secure the 12-inch search coil to the lower stem using the provided bolt and nut.
2. **Connect Stems:** Connect the lower stem to the middle stem, and then the middle stem to the upper stem (which includes the control unit and armrest). Ensure all connections are firm.
3. **Adjust Length:** Loosen the locking collars on the telescopic stem to adjust the detector's length to a comfortable position (between 41 and 55 inches). Tighten the collars to secure the length.
4. **Install Batteries:** Open the battery compartment on the control unit and insert two 9V batteries,

observing the correct polarity. Close the compartment securely.

5. **Connect Coil Cable:** Wrap the search coil cable around the stem and plug the connector into the corresponding port on the control unit. Ensure the connection is snug to prevent interference.
6. **Connect Headphones:** Plug the headphones into the designated audio jack on the control unit for private listening of detection signals.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press and hold the power button on the control unit to turn the detector on or off. The FSTN display will illuminate upon activation.

6.2 Detection Modes

The VEVOR Metal Detector SS283 offers 6 distinct detection modes for various treasure hunting scenarios. Use the 'MODE' button to cycle through them:

- **All Metals Mode:** Detects all types of metal without discrimination. Ideal for general searching when you want to find anything metallic.
- **Memory Mode:** Remembers your last settings, allowing you to quickly resume your preferred detection parameters.
- **Custom Mode:** Allows you to set your own metal discrimination preferences, ignoring unwanted metals (e.g., iron) and focusing on specific targets.
- **PP Mode (Pinpoint):** Used to pinpoint the exact location of a buried target after a detection. This mode helps reduce digging time and effort.
- **Jewelry Mode:** Optimized for hunting delicate jewelry pieces, often discriminating against common iron trash.
- **Coins Mode:** Tuned for clearer coin signals and fast detection, typically filtering out smaller, less valuable metallic objects.

6 Detection Modes

More Accurate Finds

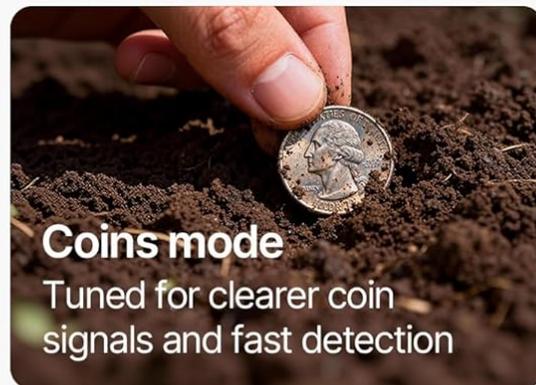
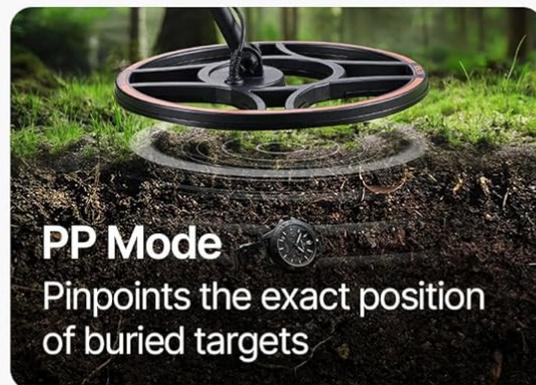
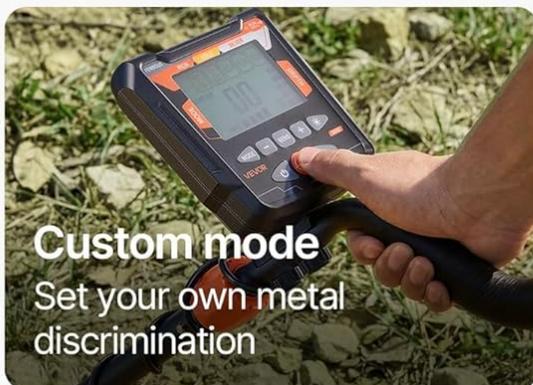


Image: 6 Detection Modes. This image visually represents the six detection modes available on the VEVOR Metal Detector SS283: All Metals, Memory, Custom, PP (Pinpoint), Jewelry, and Coins, with brief descriptions of each mode's function.

6.3 Adjusting Settings

- **Sensitivity (SENS):** Use the 'SENS' button and '+' / '-' buttons to adjust the detector's sensitivity. Higher sensitivity increases detection depth but may also increase false signals.
- **Volume:** Use the 'Volume' button and '+' / '-' buttons to adjust the audio output level.
- **Discrimination:** In Custom mode, use the discrimination settings to filter out unwanted metals.

6.4 Detection Performance

The detector operates at a stable 5.8 kHz frequency, providing strong target identification. It can detect objects up to 12 inches deep, depending on soil conditions and target size. The device offers resistance to

interference up to 3 meters.



Image: Detection Performance. This image illustrates the detection capabilities of the VEVOR Metal Detector SS283, showing a 12-inch detection depth, a stable 5.8 kHz signal, and resistance to interference up to 3 meters. It depicts various metallic objects buried underground.

7. MAINTENANCE

- **Cleaning:** After each use, wipe down the search coil and stem with a damp cloth. Avoid using abrasive cleaners.
- **Waterproof Coil:** The search coil is IP68 waterproof and can be submerged in shallow water. However, the control unit and display are **not** waterproof. Do not submerge the control unit.
- **Storage:** Store the metal detector in a cool, dry place when not in use. If storing for an extended

period, remove the batteries to prevent leakage.

- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display.

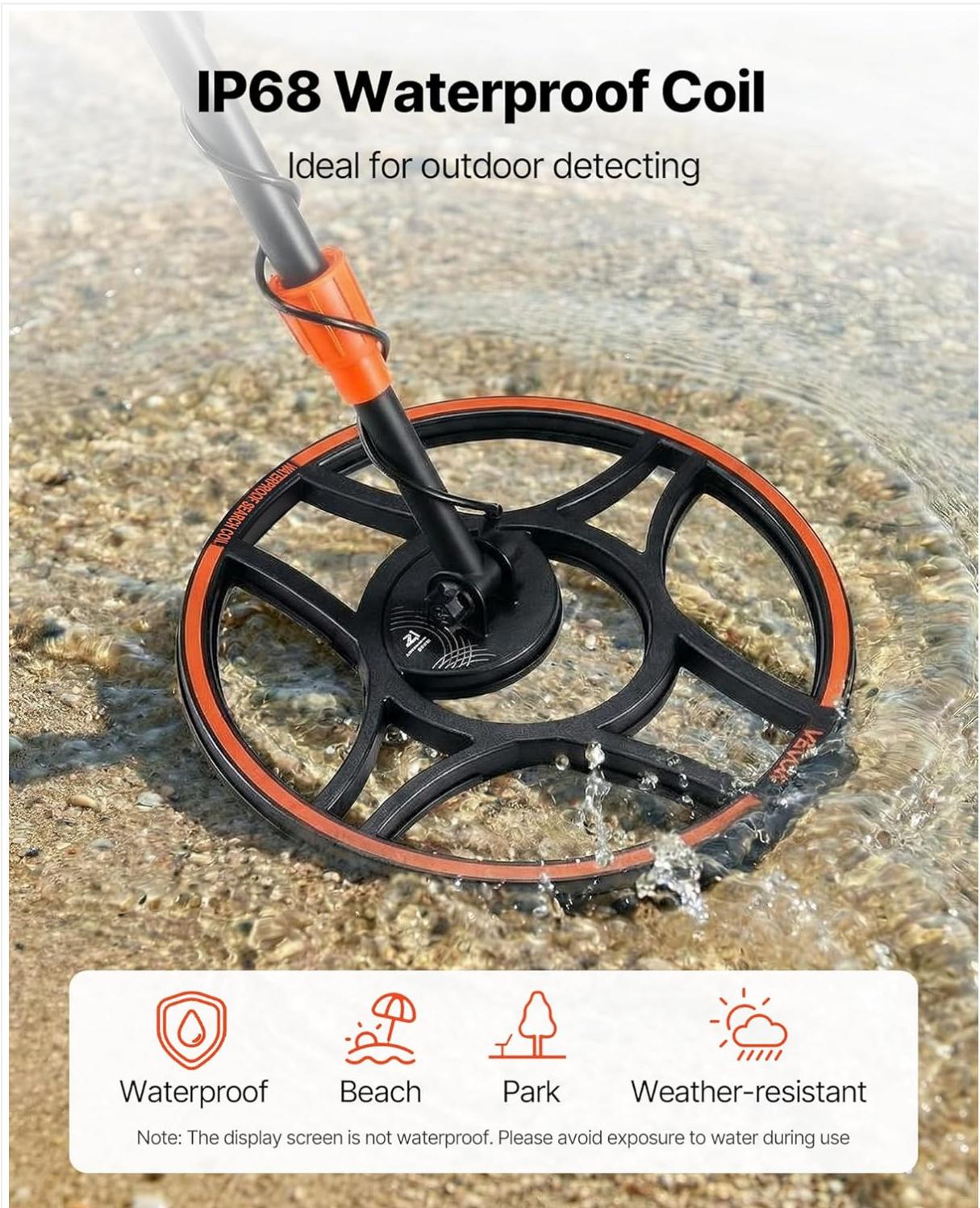


Image: IP68 Waterproof Coil. This image shows the 12-inch search coil of the VEVOR Metal Detector SS283 partially submerged in shallow water, highlighting its IP68 waterproof rating. A note clarifies that the display screen is not waterproof.

8. TROUBLESHOOTING

- **No Power:** Ensure batteries are correctly installed and fully charged. Check for any loose connections.
- **False Signals/Chatter:** Reduce sensitivity. Move away from sources of electromagnetic interference (power lines, other electronic devices). Ensure the coil cable is tightly wound around the stem.

- **Poor Detection Depth:** Increase sensitivity if conditions allow. Ensure the search coil is parallel to the ground and swept at a consistent height.
- **Display Not Clear:** The FSTN display is designed for bright sunlight. If it appears unclear, check for direct glare or ensure the protective film is removed.

9. SPECIFICATIONS

Feature	Specification
Model Number	SS283
Operating Frequency	5.8 kHz
Search Coil Size	12 inches / 304.8 mm
Waterproof Rating (Search Coil)	IP68
Detection Depth (U.S. Quarter Coin Test)	Up to 12 inches / 300 mm
Adjustable Length	41-55 inches / 104-140 cm
Power Supply	DC 18V (2x 9V Batteries)
Main Material	ABS
Net Weight	5.5 lbs / 2.5 kg
Product Dimensions (L x W x H)	55.1 x 12.0 x 12.0 inches / 1400 x 305 x 305 mm

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact VEVOR customer service directly through their official website or the retailer where the product was purchased. Please have your model number (SS283) and purchase details ready when contacting support.