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MIYAY M55

MIYAY Metal Detector User Manual

Model: M55

1. INTRODUCTION

Thank you for choosing the MIYAY Metal Detector. This device is designed for both beginners and experienced treasure hunters, offering advanced features for precise metal detection. Its lightweight design, waterproof search coil, and intuitive LCD display make it ideal for various environments, from beaches to forests. Please read this manual carefully before operating the device to ensure proper use and optimal performance.

2. SAFETY INFORMATION

- Always be aware of your surroundings when using the metal detector.
- Do not use the detector in areas where unexploded ordnance or dangerous materials may be present.
- The control box is NOT waterproof. Ensure it remains dry to prevent damage.
- Exercise caution when digging to avoid damaging underground cables, pipes, or other utilities.
- Keep the device away from strong magnetic fields.
- Store the detector in a cool, dry place when not in use.

3. PACKAGE CONTENTS

Upon opening your MIYAY Metal Detector package, please verify that all the following components are included:

- MIYAY Metal Detector Main Unit (Control Box and Adjustable Stem)
- 11-inch Waterproof Search Coil
- Headphones
- Folding Shovel

- Batteries (pre-installed or included separately)
- User Manual



Image: All components included in the MIYAY Metal Detector package.

4. ASSEMBLY GUIDE

The MIYAY Metal Detector is designed for quick and easy assembly, typically in just 4 steps:

1. **Attach the Search Coil:** Connect the 11-inch search coil to the lower stem. Ensure it is securely fastened.
2. **Connect the Lower and Upper Stems:** Slide the lower stem into the upper stem. The adjustable stem

allows for length customization between 43.3 inches and 60.2 inches. Adjust to a comfortable height for your posture.

3. **Mount the Control Box:** Securely attach the control box to the top of the adjustable stem. Ensure all cables from the search coil are properly routed and connected to the control box.
4. **Insert Batteries:** Open the battery compartment on the control box and insert the provided batteries, observing the correct polarity. Close the compartment securely.

**12 Zoll Detektionstiefe und
66 % größere Fläche**

Verstellbarer Schaft von 43" bis 61"

12 ZOLL

United States of America

The Director of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(1) or (2)(3), subject to the payment of maintenance fees as provided by 35 U.S.C. 408). See the Maintenance Fee Notice on the inside of the cover.

Andrew Lawrence
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Image: The adjustable stem allows for comfortable use by users of various heights.

5. OPERATING THE DETECTOR

5.1 Control Panel Overview

The intuitive LCD screen provides clear information about detected targets, signal strength, sensitivity, operating mode, and battery level. It also features a backlight for night use.



Image: Detailed view of the LCD control panel, showing target groups, depth meter, battery status, volume, search modes, and target identification number.

5.2 Detection Modes

The MIYAY Metal Detector offers 6 distinct detection modes to optimize your search:

- **ALL METAL MODE:** Detects all types of metals, including gold, silver, aluminum, iron, nickel, and zinc alloy. This mode is ideal for general searching when you want to find any metallic object.
- **MEMORY MODE:** This mode saves all your settings before the device is turned off, allowing you to resume your search with your preferred configurations.
- **DISC MODE:** Allows you to discriminate between different types of metals. You can select specific targets by adjusting the DISC value range, ignoring unwanted metals like iron.
- **JEWELRY MODE:** Specifically designed to ignore junk metal and focus on detecting jewelry.
- **PINPOINTER Mode:** Used to precisely locate the exact position of a detected target, making excavation easier and more accurate.
- **NOTCH MODE:** Enables you to eliminate unwanted targets from detection. This is useful for filtering out common trash items.

5.3 Sensitivity Adjustment

Adjusting the sensitivity level is crucial for optimal performance. Higher sensitivity increases detection depth but can also lead to more false signals in mineralized ground. Start with a moderate sensitivity and adjust as needed based on ground conditions.

6. USAGE TIPS

- **Waterproof Search Coil:** The 11-inch search coil is IP68 waterproof, allowing for detection in shallow water, streams, and beaches. Remember, the control box is NOT waterproof.
- **Headphone Use:** Use the included headphones to minimize external noise interference and hear subtle target signals more clearly.
- **Swing Technique:** Swing the search coil slowly and steadily from side to side, keeping it parallel to the ground and as close as possible without touching.
- **Ground Conditions:** Different ground conditions (e.g., highly mineralized soil, wet sand) can affect performance. Adjust sensitivity and discrimination settings accordingly.

11" breite IP68 wasserdichte Suchspule

Größere und tiefere Erkennung Genießen Sie
die Schatzsuche unter Wasser



Image: The 11-inch waterproof search coil allows for detection in shallow water.

Mehr Spaß mit dem MIYAY Metalldetektor!



Image: The MIYAY Metal Detector is suitable for use in grasslands, beaches, rivers, and forests.

7. MAINTENANCE AND CARE

- **Cleaning:** After each use, especially in sandy or muddy conditions, wipe down the search coil and stem with a damp cloth. Do not use abrasive cleaners.
- **Battery Care:** Remove batteries if the detector will not be used for an extended period to prevent leakage.
- **Storage:** Store the detector in a dry, temperature-controlled environment. Avoid extreme temperatures and direct sunlight.
- **Coil Protection:** Consider using a coil cover (if available) to protect the search coil from scratches and impacts.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Detector won't turn on	Dead or incorrectly inserted batteries	Check battery polarity; replace with fresh batteries.
Erratic signals/False positives	High sensitivity, electromagnetic interference, highly mineralized ground	Reduce sensitivity; move away from power lines/electronics; use DISC or NOTCH mode.
Poor detection depth	Low sensitivity, incorrect ground balance, small target size	Increase sensitivity; ensure proper ground balance (if applicable); sweep slower.
LCD display not clear	Direct sunlight, low battery	Move to a shaded area or use the backlight; replace batteries.

9. TECHNICAL SPECIFICATIONS

- **Model:** M55
- **Brand:** MIYAY
- **Product Dimensions:** 44 x 27 x 14 cm
- **Item Weight:** 2.7 Kilograms (2700 Grams)
- **Power Source:** Battery Powered
- **Search Coil:** 11-inch, IP68 Waterproof
- **Detection Modes:** All Metal, Memory, Disc, Jewelry, Pinpointer, Notch
- **Display:** Backlit LCD
- **Adjustable Stem Length:** 43.3 inches to 60.2 inches

10. WARRANTY AND SUPPORT

MIYAY offers a lifelong warranty for this metal detector, reflecting our commitment to quality and customer satisfaction. If you encounter any issues or have questions regarding your MIYAY Metal Detector, please do not hesitate to contact our customer service. We are dedicated to providing satisfactory answers and support to ensure your best experience.

For support, please refer to the contact information provided on the product packaging or the official MIYAY website.