

ANENG DM3004A

ANENG DM3004A Metal Detector User Manual

Model: DM3004A

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your ANENG DM3004A Metal Detector. Please read this manual thoroughly before operating the device and retain it for future reference.



Figure 1: The ANENG DM3004A Metal Detector in its compact, folded state.

2. SAFETY PRECAUTIONS

To ensure safe operation and prevent damage to the device, observe the following precautions:

- Avoid subjecting the detector to violent impacts or drops.
- When using multiple detectors, maintain a sufficient distance between them to prevent signal interference.

- Always turn off the device after each use.
- If the detector will not be used for an extended period, remove the battery to prevent potential damage from battery leakage.

3. PRODUCT FEATURES

The ANENG DM3004A Metal Detector offers the following key features:

- **High-Sensitivity Detection:** Capable of detecting various metallic objects with precision.
- **Rapid Detection:** Equipped with an integrated copper induction coil for quick metal detection and immediate alarm activation.
- **Versatile Applications:** Ideal for security inspections, anti-theft measures, and locating metallic items.
- **User-Friendly Operation:** Simple activation via a single side button.
- **Clear Alarm Indication:** A red LED flashes when metal is detected.
- **180-Degree Rotatable Search Coil:** The foldable probe can be adjusted up to 180 degrees for versatile use and precise positioning in different scenarios.
- **Extended Battery Life:** Powered by a 6F22 9V battery for prolonged operation.
- **Ferrous and Non-Ferrous Metal Detection:** Detects both types of metals.

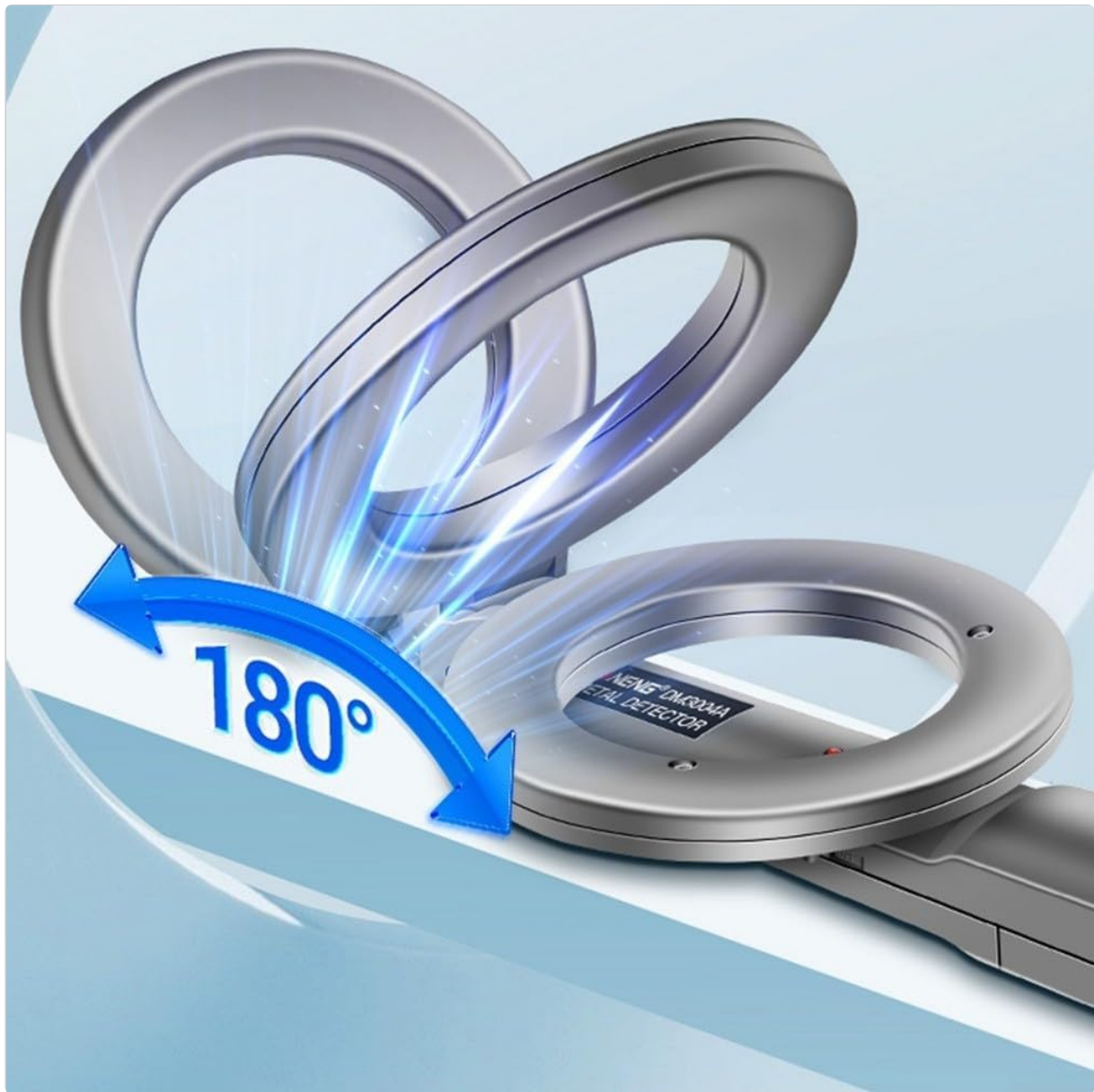


Figure 2: The search coil's 180-degree rotation capability allows for flexible use.

4. SETUP

1. **Unpack the Device:** Carefully remove the ANENG DM3004A Metal Detector from its packaging.
2. **Install Battery:** The detector requires one 6F22 9V battery. Locate the battery compartment, insert the battery with correct polarity, and close the compartment securely.
3. **Adjust Search Coil:** The search coil is foldable and can be rotated up to 180 degrees. Adjust it to the desired angle for your detection needs.
4. **Attach Wrist Strap (Optional):** If desired, attach the included wrist strap to the designated attachment point for added security during use.



Figure 3: The metal detector, its packaging, and the 9V battery required for operation.



Figure 4: Detail of the wrist strap attachment point for secure handling.

5. OPERATING INSTRUCTIONS

1. **Power On:** Locate the power button on the side of the detector. Gently push it to turn the device on.
2. **Detection:** Hold the detector with the search coil positioned over the area you wish to scan. Move the detector smoothly and steadily.
3. **Alarm Indication:** When a metallic object is detected within the search range, the device will emit an audible alarm, and a red LED indicator will flash.
4. **Power Off:** After use, push the power button again to turn off the detector.



Figure 5: Demonstrating the use of the metal detector for scanning.

6. MAINTENANCE

- Keep the detector clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the device in a cool, dry place when not in use.
- As per safety precautions, remove the battery if the device will be stored for an extended period to prevent leakage.

7. TROUBLESHOOTING

Problem: Continuous buzzer or indicator light.

Solution: This indicates that the battery needs to be replaced. Install a new 6F22 9V battery.

Problem: No detection or weak detection.

Solution:

- Ensure the battery is properly installed and has sufficient charge.
- Check for any obstructions or damage to the search coil.
- Ensure no other metal detectors or strong electromagnetic fields are nearby, which could cause interference.

8. SPECIFICATIONS

Brand	ANENG
Model	DM3004A
Net Weight	175 g
Battery Type	6F22 9V
Material	ABS Plastic
Color	Gray
Current Consumption	Less than 3 mA
Operating Temperature	-10 °C to +50 °C
Search Head Diameter	139 mm
Detection Mode	Sound alarm / Flashing LED indicator
Battery Life	Approx. 24 hours
Adjustable Length	Yes
Product Dimensions (L x W x H)	27 x 16 x 6 cm
Detects	Ferrous and Non-Ferrous Metals

Reference Detection Distances:

- Staple: 20 – 40 mm
- Nail: 20 – 80 mm
- Paperclip: 30 – 80 mm
- Recording Pen: 80 – 140 mm
- Mobile Phone: 100 – 210 mm
- Large Metal Object: 110 – 220 mm

Note: These distances are for reference only. Actual detection distances may vary based on object size, composition, and environmental factors.

9. WARRANTY AND SUPPORT

Information regarding warranty coverage and customer support for the ANENG DM3004A Metal Detector is not available in the provided product details. Please refer to your purchase documentation or contact the retailer for specific warranty terms and support options.