

## ANENG DM3004A

# ANENG DM3004A Handheld Metal Detector User Manual

Model: DM3004A | Brand: ANENG

## 1. INTRODUCTION

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The ANENG DM3004A is a high-accuracy handheld metal detector designed for quickly locating small metallic objects. It is suitable for various applications, including security checks, finding lost items, and educational purposes. This manual provides essential information for the safe and effective use of your device, covering setup, operation, maintenance, and troubleshooting.

## 2. SAFETY INFORMATION

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- Read all instructions before operating the device.
- Do not expose the device to extreme temperatures, moisture, or direct sunlight.
- Ensure correct battery polarity when installing batteries.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Keep the device away from strong magnetic fields.
- This device is not a toy; keep out of reach of children.

## 3. PACKAGE CONTENTS

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Please check the package contents upon receipt. If any items are missing or damaged, contact customer support.

- 1 x ANENG DM3004A Handheld Metal Detector
- 1 x User Manual



Figure 3.1: ANENG DM3004A Metal Detector with its retail packaging and included user manual.

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the components of your ANENG DM3004A metal detector.

- **Detection Coil:** The circular part responsible for detecting metallic objects.
- **Handle:** Ergonomically designed for comfortable grip.
- **Power Switch:** Toggles the device ON/OFF.
- **Buzzer:** Emits an audible alarm when metal is detected.
- **LED Indicator:** Lights up to visually indicate metal detection.
- **Battery Compartment:** Located at the base of the handle for battery installation.

## Details decide the quality



The advantage of letting you rest assured



### NO.1 Easy to use

Only this step, test at boot, simple and easy to use



### NO.2 Buzzer alarm

When the detector detects metal, the buzzer will sound an alarm,

Figure 4.1: Detail of the ON/OFF switch and the buzzer alarm area on the ANENG DM3004A.



# Object detection distance

Intelligently adjust the detection distance of different objects



Figure 4.2: The red LED indicator illuminates upon metal detection. The probe head can be rotated up to 180 degrees for versatile use.

## 5. SETUP

### 5.1 Battery Installation

1. Locate the battery compartment cover at the bottom of the handle.
2. Slide or unclip the cover to open the compartment.
3. Insert one DC9V 6F22 battery, ensuring correct polarity (+ and - terminals match the markings inside the compartment).
4. Close the battery compartment cover securely.

**Note:** The battery is not included in the package and must be purchased separately.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

- To turn on the device, slide the power switch to the "ON" position. The device will emit a short beep,

indicating it is ready for use.

- To turn off the device, slide the power switch to the "OFF" position.

## 6.2 Metal Detection

1. Hold the metal detector by the handle, keeping the detection coil away from your body and other metallic objects.
2. Slowly sweep the detection coil over the area you wish to scan. Maintain a consistent distance from the surface.
3. When a metallic object is detected, the device will emit an audible alarm (buzzer) and the red LED indicator will light up. The intensity of the alarm and light may increase as you get closer to the object.
4. Pinpoint the exact location by moving the coil slowly in a cross-pattern over the detected area.



Figure 6.1: Example of using the ANENG DM3004A for security scanning.

## 6.3 Detection Distances

The detection distance varies depending on the size, shape, and composition of the metallic object.

- Small nails: 0-6 cm (0-2.36 inches)
- Lighters, cigarettes, chewing gum, dry batteries: 0-8 cm (0-3.15 inches)

- Lithium batteries, mobile phones: 0-12 cm (0-4.72 inches)
- Weapon tools (e.g., knives, guns): 0-15 cm (0-5.90 inches)



Figure 6.2: Approximate detection distances for common metallic objects.

## 6.4 Applicable Environments

The ANENG DM3004A is suitable for use in various environments where metal detection is required.

- High-speed rail stations
- Airports
- Subways
- Hospitals
- Event venues
- Sports meetings

## Details decide the quality



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### NO.3 Red light indication

When metal is detected, the indicator lights up red



### NO.4 Angle change

The probe head is rotated at an angle of 180°, suitable for more scene measurement

Figure 6.3: Examples of suitable environments for the ANENG DM3004A metal detector.

## 7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace the 9V battery when the detection performance decreases or the device fails to power on.
- **Storage:** Store the metal detector in a cool, dry place when not in use. Remove the battery if storing for extended periods.
- **Avoid Impact:** Protect the device from drops and strong impacts.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is dead or incorrectly installed.	Check battery polarity; replace with a new 9V battery.

Problem	Possible Cause	Solution
No alarm or LED indication when metal is present.	Battery low; object too small or too far; device malfunction.	Replace battery; ensure object is within detection range; contact customer support if issue persists.
False alarms or continuous beeping.	Interference from other electronic devices or large metallic structures nearby.	Move away from sources of interference; ensure no metal is near the coil during startup.

## 9. SPECIFICATIONS

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Feature	Detail
Model	DM3004A
Battery Type	DC9V 6F22 (Not Included)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Current Consumption	<3mA
Item Weight	244 g (without battery)
Product Dimensions (Stretch)	Approx. 394x140mm (15.51x5.51 inch)
Search Head Diameter	140mm
Measurement Accuracy	90%
Country of Origin	China

## 10. WARRANTY AND SUPPORT

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### 10.1 Warranty Information

This product comes with a standard manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

### 10.2 Customer Support

If you encounter any issues or have questions regarding your ANENG DM3004A metal detector that are not covered in this manual, please contact the retailer or the manufacturer's customer service for assistance. Provide your product model number and a detailed description of the issue when seeking support.