

EVTSCAN MD300

EVTSCAN MD300 Portable Handheld Metal Detector User Manual

MODEL: MD300

Introduction

Thank you for choosing the EVTSCAN MD300 Portable Handheld Metal Detector. This device is designed for efficient and reliable detection of metallic objects, making it suitable for various applications such as security checks at examination stations, public venues, and personal use. This manual provides detailed instructions to ensure proper setup, operation, and maintenance of your metal detector.

Safety Information

- Always handle the device with care to prevent damage.
- Do not expose the metal detector to extreme temperatures, moisture, or direct sunlight for extended periods.
- Keep the device away from strong magnetic fields, which may affect its performance.
- Ensure the battery compartment is securely closed to prevent water or dust ingress.
- Dispose of batteries according to local regulations.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage or injury.

Package Contents

Please verify that all items are present in your package:

- 1 x EVTSCAN MD300 Metal Detector
- 1 x English User Manual
- *Note: 9V 6F22ND Battery is NOT included and must be purchased separately.*

Product Overview

The EVTSCAN MD300 features a compact design for easy handling and portability. Key components include the detection coil, handle, power switch, alarm mode switch, and battery compartment.







Image 1: Front view of the EVTSCAN MD300 Portable Handheld Metal Detector, showing the circular detection coil and the elongated handle with the model number label.



Image 2: Side view of the MD300 metal detector, highlighting the power switch and the alarm mode switch located on the side of the handle.

Setup

Battery Installation

1. Locate the battery compartment cover on the handle of the metal detector.
2. Slide or unclip the cover to open the compartment.
3. Insert one 9V 6F22ND battery, ensuring correct polarity (+ and - terminals).
4. Close the battery compartment cover securely.

Note: Always use a fresh 9V 6F22ND battery for optimal performance. Remove the battery if the device will not be used for an extended period.

Operating Instructions

Powering On/Off

- To power on the device, slide the power switch to the "ON" position.

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

Selecting Alarm Mode

The MD300 offers two alarm modes:

- **Sound and Light Synchronous Alarm:** When a metal object is detected, the device will emit an audible sound and illuminate an indicator light.
- **Vibration Alarm:** When a metal object is detected, the device will vibrate, providing a silent alert.

Use the alarm mode switch on the side of the handle to toggle between these two modes based on your operational requirements.

Detection Procedure

1. Hold the metal detector by the handle, ensuring a firm grip.
2. Turn on the device and select your preferred alarm mode.
3. Slowly sweep the detection coil over the area or person being scanned. Maintain a consistent distance from the surface.
4. When a metallic object is detected, the device will activate the selected alarm (sound/light or vibration).
5. The detection sensitivity is designed to detect objects such as a one-yuan coin at a distance of approximately 5cm or more.



Image 3: A hand demonstrating the proper grip for holding the EVTSCAN MD300 metal detector during operation.



Small and convenient, easy to carry
With sound and light synchronous alarm or vibration alarm
High detection accuracy, easy to use
Suitable for security check at school examination room,
station and entertainment place

Image 4: The MD300 metal detector being used in a security checkpoint environment, illustrating its application for screening individuals.

Low Voltage Indication

The device is equipped with a low voltage indication function. When the battery power is low, the indicator light may flash or change color, or the alarm sound may become weaker, signaling that the battery needs to be replaced soon.

Maintenance

- **Cleaning:** Wipe the exterior of the detector with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace the 9V battery when the low voltage indicator activates or when the device's performance diminishes.
- **Storage:** Store the metal detector in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Battery is dead or incorrectly installed.	Check battery polarity; replace with a new 9V battery.
Poor detection sensitivity.	Low battery power; interference from other electronic devices.	Replace battery; move away from sources of electromagnetic interference.
Alarm is weak or inconsistent.	Low battery power; alarm mode switch incorrectly set.	Replace battery; ensure alarm mode switch is set correctly.

Specifications

Feature	Detail
Brand	EVTSCAN
Model	MD300
Material	ABS
Detection Sensitivity	Detects RMB one yuan coin at ≥5CM
Alarm Mode	Sound and light synchronous alarm or vibration alarm
Power Supply	9V 6F22ND Battery (Not Included)
Function	Low voltage indication function
Working Current	Sound and light less than 56mA, vibration less than 90mA
Product Size	Approx. 35 x 14 x 3 cm / 13.8 x 5.5 x 1.2 in
Product Weight	Approx. 276g / 9.7oz
International Protection Rating	IP66 (as per specifications, indicates dust tight and protected against powerful water jets)



Image 5: Diagram showing the approximate dimensions of the EVTSCAN MD300 metal detector: 35cm (13.8in) length, 14cm (5.5in) width, and 3cm (1.2in) thickness.

Warranty and Support

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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