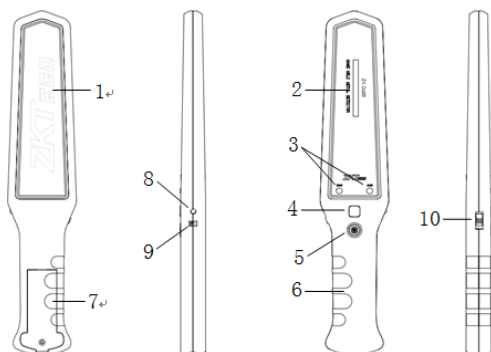


User Manual

Hand Held Metal Detector: ZK-D180

Version: 1.2

Diagram



1. Detection Face	2. Signal Indicator & Sensitivity Indicator
3. LED (The green light is the power indicator. The red light is the alarm indicator.)	4. Sensitivity Adjustment Button
5. Audio Alert	6. Handle
7. Battery Cover	8. Low Battery Indicator
9. Charging Port	10. Vibrator Button

Usage

1. Electronic detection at airports, stations, and docks.
2. Security check by customs, public security, border defense, and security departments.
3. Quality inspection of pharmaceutical, food, and commerce industries.
4. Security check at important spots and sports places.

5. Precious metal detection at places such as jewelry plants.

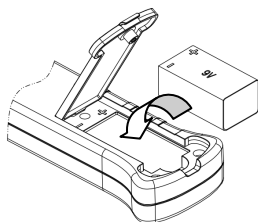
Detection Range

- | | |
|--------------------------------|--------|
| 1. Thumbtack | 3–5 cm |
| 2. Steel ball (25 mm diameter) | 12 cm |
| 3. Handgun | 20 cm |
| 4. Dagger | 25 cm |

Performance

1. The sensitivity of the detector is determined primarily by the size, shape and material of the detected objects.
2. The device has no requirement on the operation direction and is easy and convenient to use.
3. The battery voltage is decreased to 7 V from 9 V and the detection range does not change.
4. The battery consumption speed is low and the working duration stands at more than 40 consecutive hours.
5. When the battery is dying, the low battery indicator blinks.
6. Power-on and power-off are indicated with sounds.
7. 10 levels sensitivity adjustment available.
8. An external charging socket is provided.
9. A switch between acousto-optical and vibrating modes is provided.
10. A signal strength indicator is provided.

Battery Loading and Changing



1. Remove the screws with a philips screwdriver to open the battery cover.
2. Load the 9V battery based on the positive and negative poles marked on the battery cover.
3. Close the battery cover and tighten the screws.

Operation

1. Turn on the vibrator switch (10). If a Dah is heard, the metal detector is powered on, and the green light blinks. If there is no sound, the battery is not loaded or the contact between the battery and battery terminals is poor. If consecutive sounds are heard, you need to change a new battery.
2. After hearing the power-on sound, you can perform the high sensitivity test. Hold the handle and sweep the detector around the object with the detection face near to it. The detector makes an alarm sound and lights the red indicator when metal is detected. If you stop the detection, the alarm sound stops and the red indicator goes out.
3. The sensitivity can be adjusted using the sensitivity adjustment button(4) to detect metals of varying sizes. There are 10 adjustable levels, and the sensitivity level can be viewed via the sensitivity indicator(2).

Notes

1. You need to power off the detector after using.
2. If the unit is not to be used for a certain length of time, it is advisable to remove the battery to avoid battery leakage with could cause serious damage to the detector.
3. An alarm is triggered only when the detector sweeps across a metal object. If the detector remains still in front of a metal object, no alarm will be triggered.
4. Do not charge the 9V battery to avoid damage. If you need a charging suit, contact the local distributor.
5. You need to power off the detector during charging.

Specifications

Dimensions (L*W*H)	345mm*69mm*25mm
Power Voltage	9V Rechargeable Battery
Operating Voltage	7V to 9V
Operating Current	< 50mA
Power Consumption	< 300mW
Rechargeable Batteries	6Hrs to be fully charged; Supports 40Hrs of operation
Alarm Terms	Sound & light alarm/ Vibration & light alarm
Alarm Sound	$\geq 75\text{dB(A)}$
Operating Frequency	47KHz
Operating Temperature	-10°C to +65°C
Main Material	ABS
Dimension with Packing (L*W*H)	420mm*50mm*90mm
Weight with Packing	420g
Net Weight	260g

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