

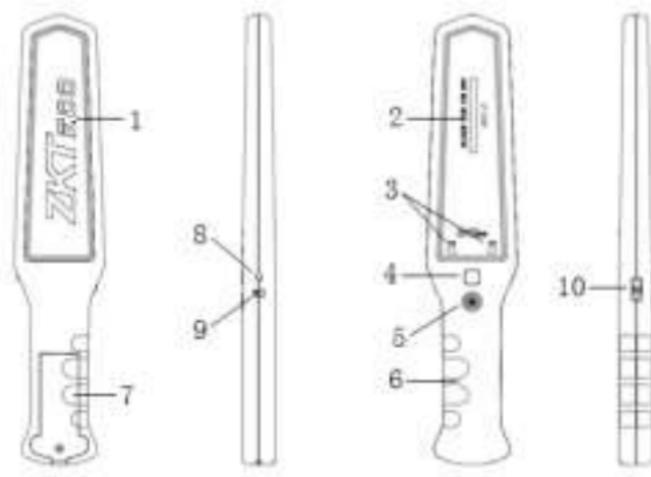
User Manual

Hand Held Metal Detector: ZK-D180

Version: 1.0

Date: June, 2017

Details



1. Detection Area
2. Signal Strength Indicator
3. LED (The green light is the power indicator. The red light is the alarm indicator.)
4. Low Sensitivity Button (long-press for low sensitivity)
5. Audio Alert
6. Handle
7. Battery Cover
8. Low Battery Indicator
9. Rechargeable Battery Socket
10. Switch (Sound, Off Or Vibration)

Applications

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 critical spots and sports places.
5. Precious metal detection at places such as jewelry plants.

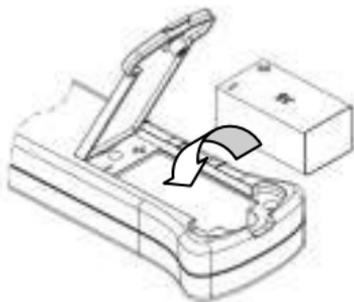
Detection Range

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. High sensitivity and low sensitivity are provided.
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.
11. Rechargeable batteries suit 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 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. Low sensitivity test: Long-press the low sensitivity button (4) to exclude small-sized metal objects from detection. Sweep the detector around the object. 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. The sensitivity is decreased by more than five times. Metal that is detected in this mode are generally of large size.

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 which 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 Non-rechargeable battery to avoid damage.
5. You need to power off the detector during charging.

Specifications

Power Voltage: 9 V Rechargeable Battery

Power Consumption: ≤ 270 mW

Operating Frequency: 22 kHz

Standby Current: < 5 mA

Operating Voltage: DC 7 V ~ 12 V

Working Temperature: $-10^{\circ}\text{C} \sim +65^{\circ}\text{C}$

Weight: 260 g

Dimensions (L x W x H): 345 mm x 69 mm x 25 mm

