

# **HM-100180**

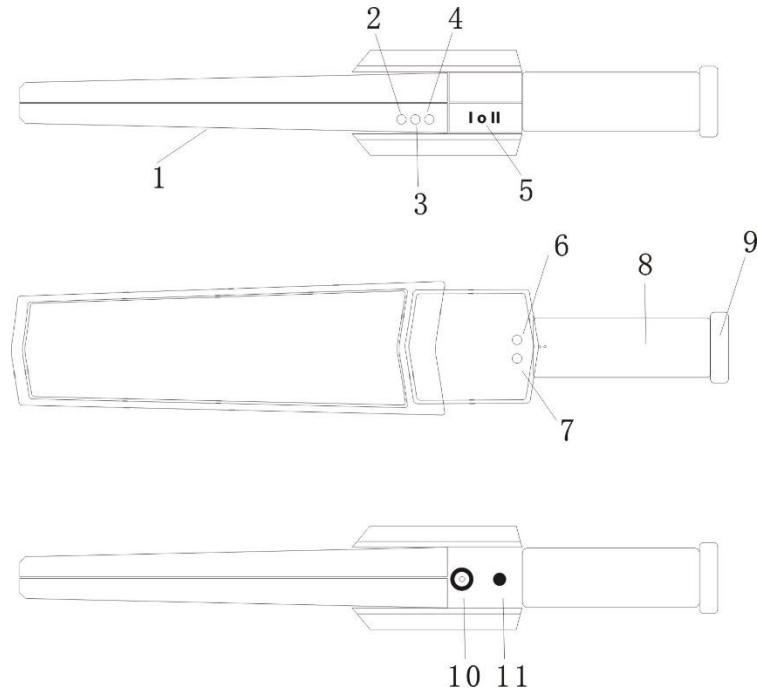
**Hand Held Highly Sensitive Metal Detector**

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# OPERATING MANUAL

## I. Schematic View:



1. Detection Face

2.3.4: LED (Green for power, yellow for under-voltage & red for alarm)

5. Power Switch        6. Speaker holes

7. Sensitivity adjuster        8. Handle

9. Battery Lid        10. Charge socket

11. Reset

## **II. Applications:**

1. Electronic detection inspection at airports, railway stations and wharfs;
2. Security inspection of customs, public securities, frontier defense and safeguard authorities;
3. Quality inspection of medicine and food commercial systems;
4. Security inspection of important sites and playgrounds;
5. Noble metal detection, such as gold or silver jewelry manufacturing plants.

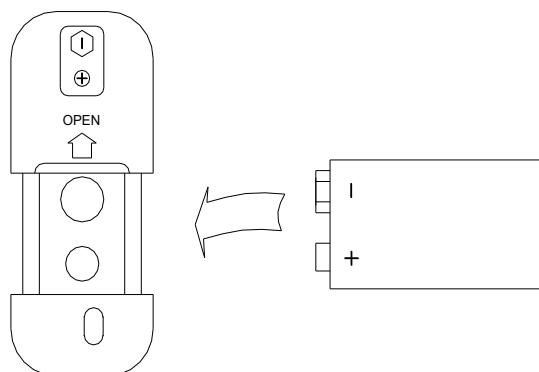
## **III. Detection distance:**

1. Pin	30—60mm;
2. 64 model handgun	150mm;
3. 6 inch long knife	160mm;
4. Diameter	20mm
5. Steel ball	90mm.

## **IV. Features:**

1. Highly sensitive.
2. Simple and convenient to use, no adjustment is required;
3. Low power consumption, can work for 40 hours continuously;
4. There is automatic and continues alarm when the battery is used up
5. Switch on/off audio prompt function;
6. With external rechargeable socket hole;
7. Has audio, light and vibration handoff switch

## **V. Install and replace battery:**



1. The battery lid can be opened by pushing backward with thumb at the concave groove.
1. Install the 6F22 (9V) battery according to the anode and cathode signs on the battery lid.
2. Cover with the battery lid and push forward firmly.

## **VI. Method to use:**

1. Turn on the power switch (5), if a click sound is heard, it indicates that the power has been connected, and the green LED will turn on at the same time. If no click sound is heard, it indicates that no battery has been installed or the battery is not well connected. If the click sound is heard one after another, it indicates that the battery cannot be used anymore and a new battery shall be installed.
2. When the switch-on click sound stops, the highly sensitive detection can be performed. Grasp the handle and detect with the detection face around the object being detected, there will be an alarm when a metal object is detected. In the meantime, the green LED will turn into red. When the detection stops, the alarm stops and the red LED turns into green.
3. Can distinguish the size or distance of metal according to LED; green lights indicates small size of or long distance of metal, yellow and red lights indicates big size or short distance of metal.

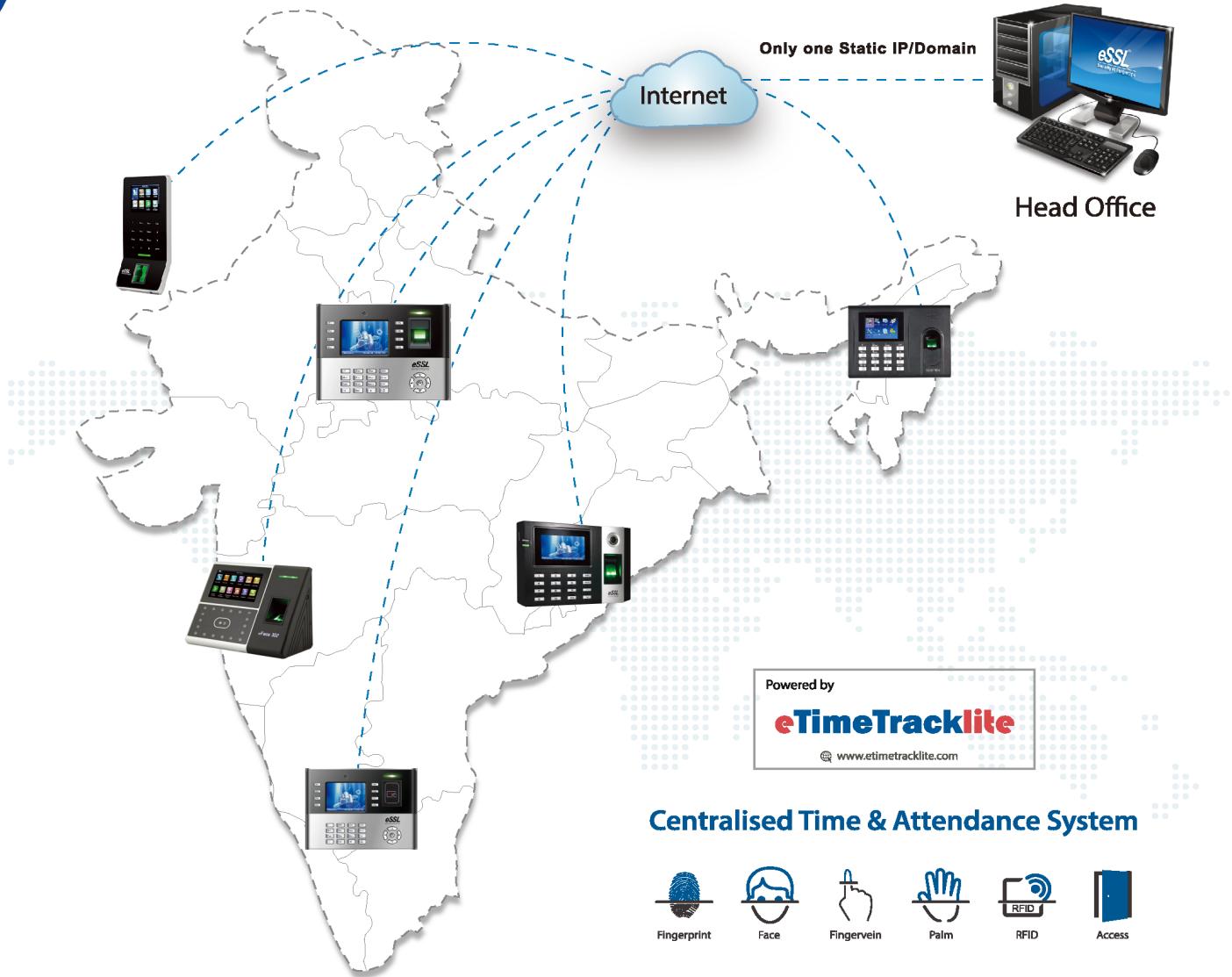
## **VII. Sensitivity Adjustment:**

1. The sensitivity shall be adjusted when performance instability is observed or sound is produced when detecting human body without any metal stuff because the detection distance is less than the stipulated requirement or the sensitivity is too high.
2. Insert a small straight-shaped screwdriver into the small hole of the handle of the detector and rotate clockwise, until a sound is heard, then rotate counter-clockwise barely to the position where no sound is produced, then rotate for another half a circle, until the sensitivity meets the requirement.

## **VIII. NOTE:**

1. Be sure to switch off the power after use.
2. Battery shall be taken out when the detector will be kept unused for long.
3. No sound will be produced when the probe is fixedly positioned to the metal object. Sound is produced only when the probe crosses the metal object.
4. Be sure to switch off the power (5) when the battery is recharged.
5. Charger voltage: 9V for AC; 10V for DC. (The charger shall be self-provided)

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