

Major Sales International

Operating Manual

MS-SHMS-SHMD-3003

**High Performance
Hand Held Metal Detector**

INTRODUCTION:

The MS-SHMD-3003 is a high performance Hand Held Metal Detector designed to meet the exact requirements of the security industry. Typical uses will include body search for offensive weapons in crowd control, airport and border security, checking parcels and letters for metal objects and anywhere that hidden metal needs to be detected.

OPERATION:

- The MS-SHMD-3003 Operates on one 9 Volt standard or rechargeable battery. To install the battery, slide off the battery cover and place the battery in to its compartment while matching the + and - symbols.
- Turn the unit on by pushing the on/off switch until it clicks on and the green LED is lit. The detector is now operational although an increase in sensitivity and depth range can be achieved by turning the sensitivity adjuster (true a small hole with a non metallic screwdriver) until the red LED is lit and a constant audio tune is heard. Turn the sensitivity adjuster (anti-clockwise) until the red LED just goes out and the tone fades. The detector is now tuned for optimum sensitivity and depth range.
- Holding the unit with the detection face towards the surface, sweep backwards and forwards continuously at a height of 10-30 mm above the area to be scanned.
- The presence of metal will be indicated by the audio warning tone and the red light coming on. If the detector is held still over a metal object the detection signal will automatically reduce, therefore it is important that the unit is continually scanning the surface when in use.

PERFORMANCE:

The sensitivity of the detector is determined primarily by the size, shape and composition of the object to be detected.

Typical performance figures are given below:

Object	Maximum Detection Range	
	Low Sensitivity	Optimum Sensitivity
38 Caliber hand gun	20cm	28cm
Pen knife	10cm	15cm
Razor blade	5cm	10cm

RECHARGEABLE BATTERY SOCKET:

- You may use a 9 volt rechargeable battery to power the detector.
- It takes four to six hours to fully charge the battery. The battery charger socket is located at the side of the detector.

Note: Turn off the detector when charging it.

EARPHONE SOCKET:

The detector is equipped with an Earphone socket also located at the side of the detector. An earphone should be used in noisy work situations or in places where the operator does not wish for the audio tune to be heard in his surrounding area.



NOTE:

- If the green light goes out completely or fails to come on or if the unit is making unfamiliar audio tunes, the unit is unstable and should not be used until the battery is recharged or replaced.
- 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.
- When not in use, the detector should be stored in a dry warm environment.

SPECIFICATION:

Power 9V Standard Alkaline or Rechargeable Battery

Operating Frequency 22 KHz

Operating Current <50 mA

Operating Voltage 7V-9V

Operating Temperature -5C° to +55C°

Net Weight 280G

Dimensions 39.5 (L) X 6.8 (W) X3.2 (H) cm