



High Performance Hand Held Metal Detector

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|--------------------------------|---------------------------|
| 1. Detection Face | 2. LED (Green/Red Colour) |
| 3. Audio Alert | 4. Sensitivity Adjuster |
| 5. Handle | 6. Battery Lid |
| 7. Low Sensitivity Switch | 8. On/Off Switch |
| 9. Rechargeable Battery Socket | 10. Vibrator Button |

INTRODUCTION

The MD-01 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 MD-01 operates on one 9volt standard or rechargeable battery. To install the battery slide off the battery cover and place the battery into its compartment while matching the +/- symbols.
- Turn the unit on by pushing the on/off switch until it clicks on and the green LED is visible. The detector is now operational although an increase in sensitivity and depth range can be achieved by turning the sensitivity adjuster until the red LED is on 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 Calibre handgun	15cm	20cm
Penknife	10cm	15cm
Razor blade	5cm	10cm

LOW SENSITIVITY OPERATION

Press the low sensitivity switch during detection, the detector will then only respond to bigger metal objects such as a hand gun, knife etc and will not respond to small metals such as a coin, key, hairpin etc. **Do not** release the low sensitivity switch until you complete low sensitivity detection.

RECHARGEABLE BATTERY SOCKET

- You must use a 9-volt rechargeable battery to power the detector
- It takes four (4) to six (6) hours to fully charge the battery. The battery charger socket is located at the side of the detector.

VIBRATOR BUTTON

The detector is equipped with a vibrator button also located at the side of the detector. Vibration function 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. Press this button, vibrator works; release it, audio tune works.

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 clean dry environment.
- Always turn off the detector whilst charging.

WARRANTY

Is valid Twelve (12) months from the date of purchase covering faulty workmanship and or parts. **Warranty claims will be considered on return of the equipment (freight pre paid)** **Warranty applies only where the goods have been used for their intended purpose and have not been misused, altered in any way or repaired by unauthorized persons. Identification Serial Number(s) must be traceable from the label or recorded in your warranty claim correspondence.**

SPECIFICATION

Power Voltage	9V Standard or Rechargeable Battery
Power	270mW
Operating Frequency	22KHz
Operating Current	<50mA
Operating Voltage	7V-9V
Operating Temperature	-5C° to +55C°
Net Weight	390 grams (excluding battery)
Dimensions	41(L) X 8.5(W) X 4.5(H) cm



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