

CLAMPBEE®



HAND HELD METAL DETECTOR

Model No.MD10

PART NO: 4500150

OPERATING & MAINTENANCE INSTRUCTIONS



INTRODUCTION

Thank you for purchasing this CLARKE Hand Held Metal Detector.

Before attempting to use the product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ENVIRONMENTAL PROTECTION



Do not dispose of this product with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment, at a recognised disposal facility.

SPARES & SERVICE

For parts & servicing, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400

PARTS & SERVICE FAX: 020 8558 3622

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com

FEATURES OF THE MD10

The CLARKE MD10 is a portable, hand held metal detector intended to be used for security inspection in airports, schools, courthouses, prisons, stadiums and entertainment places.

It can detect concealed weapons such as knives or other metal objects in baggage, postal parcels or under clothing.

Features include:

- 3.5mm headphone socket
- Normal/Low Sensitivity
- Audio tone changes as the metal size changes
- Audio alert/LED alert
- Operation status constantly monitored upon completion of self tests
- Low-battery Indicator
- Auto scanning



PREPARATION

FITTING THE BATTERY

1. Release the battery cover retaining screw before lifting the cover and pulling it backwards.
2. Install one 9V alkaline battery type PP3 or equivalent, connecting it to the battery clip.
3. Replace the cover and tighten the screw.

FUNCTIONS OF THE DETECTOR

1. POWER SWITCH

This is a rocker switch which has three positions:

ON/OFF/SENSITIVITY

2. AUDIO ALERT

When the detection area passes a metal object, the speaker emits an audible alert. When a headphone with a 3.5mm jack is connected to the socket, the audible alert can be heard through the headphones.

3. VISUAL ALERT

When the detector locates a metal object, the red 'ALERT' LEDs on the front and back of the unit illuminate. This function also operates when the headphones are in use.

4. AUDIO TONE DISCRIMINATION

When a small metal object is detected there are changes in only the audio volume, but when the object is larger, there will be changes in both volume and pitch.

5. RESET BUTTON

The reset button can be pressed lightly to recover normal operation if the sensing behaviour of the device becomes erratic.

6. HEADPHONES

The Headphones can be used when working in any noisy environment or at any time when silent operation is required.

7. LOW BATTERY INDICATION

If the detector keeps beeping without the green READY light flashing it is an indication that the voltage in the battery is low and it should be replaced.

8. ADJUSTING THE SENSITIVITY

Insert the tip of a small screwdriver through the Sensitivity Adjustment aperture. Slowly rotate the SENS control clockwise to increase (or counter-clockwise to decrease) the sensitivity until both audio and visual alarms signal continuously, before easing off slightly. Position a suitable target in front of the detector and adjust until the target is reliably detected. N.B. Setting the sensitivity too high will produce a false signal.

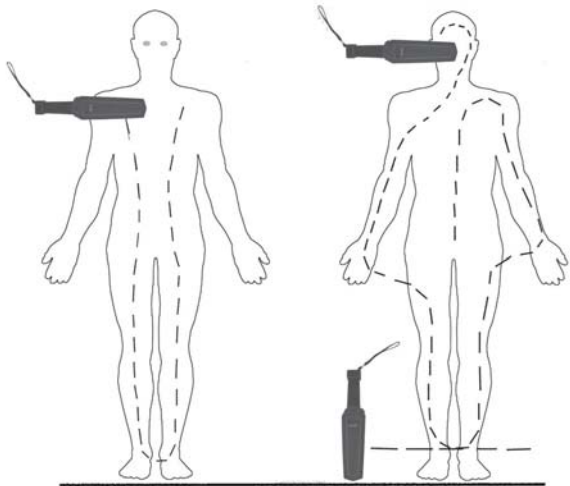
OPERATION

SWITCHING ON

1. Set the switch to the ON position. The unit will self-test and after 1-2 seconds, the green 'READY' LED on the front and back panels will blink and the red 'ALERT' LED will extinguish. This indicates the metal detector is ready to use.
2. When the detection area of the unit is swept past a metal object, the speaker emits an audio alert and the red ALERT lights will come on. For large metal objects, the audio tone will become higher than for small objects.

PERSONNEL SCANNING PROCEDURE

1. First, scan the front of the body, passing the detector from the right shoulder, down to the ankles and then back up to the left shoulder as shown in the diagram.
2. Then scan the back of the body, starting behind the head and following the outline of the body, passing down the line of the spine as shown in the diagram.
3. Finally, to search the feet and ankles, keep the detector vertical and approx 1-2 inches above the floor. It may be necessary to use the Low Sensitivity button while searching close to the floor.



MAINTENANCE

CLEANING & GENERAL MAINTENANCE

- The metal detector should be kept clean and dry, but may be wiped with a damp cloth to maintain its appearance. Avoid using chemical cleaners.
- Remove the battery from its compartment if the metal detector is not going to be used for a long time.

SPARE PARTS LIST

The only spare part required for the MD10 unit is a single 9V alkaline battery, type PP3 or equivalent.

SPECIFICATION

Item	Specification
Detection materials	Metal
Battery type/voltage	PP3 / 9 Volts
Sensitivity	>50mm for a £1 coin
Headphone Jack	3.5mm socket
Calibration	Factory calibrated
Length x Width x Height (mm)	416 x 87 x 33
Weight	0.35 kg

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

89/336/EEC *Electromagnetic Compatibility Directive, (amended 93/68/EC.*

2002/95/EC *Restriction of Hazardous substances*

The following standards have been applied to the product(s):

I-ETS 300 330:1994, ETSI 301 489-1:2000, ETSI 301 489-3:2000

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2002

Product Description: Hand Held Metal Detector

Model number(s): MD10

Serial / batch Number: N/A

Date of Issue: 13/01/2009

Signed:

J.A. Clarke
Managing Director

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PARTS & SERVICE: 0208 988 7400

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