

BATTERY

The detector requires one 9v alkaline battery, (type PP3, MN1604, 6LR61) or an equivalent rechargeable Nickel-Cadmium or Nickel Metal Hydride battery.

Unscrew (1/4 turn anticlockwise) the plastic screw in the battery cover. Open the cover and fit the fresh battery into battery compartment. Insert the battery with the positive + (small) terminal closest to the safety strap, as shown on the rear label. Replace the cover and lock with ¼ turn. Incorrect insertion of the battery will not damage the detector, but the detector will not operate until the battery is inserted correctly.

Replace the battery (or recharge if rechargeable battery is fitted) when audio warble becomes a steady tone. Do not leave the battery in the detector for long periods of storage.

CONTROLS AND INDICATORS

On off switch

Press the on/off switch, the detector will now remain on until the on/off switch is pressed again. The HI/LO (sensitivity) light will indicate green showing that the detector is on, and in high sensitivity.

Sounder

The sounder provides an audio alert to metal objects. The sounder is automatically muted when headphones are used.

Target detect light.

The DETECT light provides a visual alert to metal objects. The brightness is reduced when headphones are used.

HI/LO sensitivity switch and light.

Press the HI/LO switch to change between high and low sensitivity. In areas where false targets are a problem operate the detector at reduced sensitivity by pressing the sensitivity switch. Low sensitivity is indicated by a yellow HI /LO light.

LO should be selected when accurate pinpointing of the target is required as the sweep speed can be greatly reduced in this mode.

Audio Threshold adjust.

Allows adjustment of the audio level when there is no target. See THRESHOLD ADJUSTMENT overleaf.

Headphone Socket.

Insertion of headphones or earpiece automatically mutes the sounder. These can be useful to eliminate background noises or to detect discreetly.

Recharge Socket.

A rechargeable battery can be charged in-situ via the re-charge socket. See OPTIONAL ACCESSORIES for suitable battery and charger.

BODY SEARCH

Metal targets will only be detected while the SD100 is moving. To search a body sweep the detector over the person at a distance of approximately 25mm to 50mm both front and back, keeping the detector moving. It is recommended that the detector operation is confirmed by periodically sweeping (for example, once per hour) the detector over a metal object to verify detection.

OPTIONAL ACCESSORIES

Headphones/Earpiece.

Recommended types available from C.Scope are:

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| Headphone | YHP/MINI |
| Earpiece | YIREP |

Rechargeable Battery Pack

A 9 volt (nominal 8.4v) Nickel-Metal Hydride Re-chargeable cell which will give 8 hours use and can be fully charged overnight. The battery charger is designed for both Nickel Cadmium and Nickel-Metal Hydride.

Do not attempt to charge a non-rechargeable battery.

THRESHOLD ADJUSTMENT

For maximum detection distance, when operating in HI sensitivity, the sound can be just audible or adjusted to be slightly lower than the audible threshold. This 'threshold' level is set by the control located in the hole in the back of the detector, and can be adjusted by slight rotation with a small flat bladed screw driver. In LO sensitivity the audio is automatically set below threshold, and the detector remains quiet until a target is detected.

SPECIFICATIONS.

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|-----------------------------|--------------------------|
| Coil: | Inductive balance. |
| Tune circuitry: | Automatic |
| Operating frequency: | 50KHz |
| Audio Frequency: | 2KHz |
| Dimensions: | 435mm x 88mm x 32mm. |
| Weight: | 0.4 kg including battery |
| Voltage: | 6-10v |
| Current: | 12mA |

GUARANTEE Your security

detector is guaranteed against defects in materials and workmanship for 12 months, labour and parts free of charge, but excludes batteries and wear and tear. This Guarantee is over and above those rights accorded by Common Law and applies in the U.K. only. In other territories please refer service queries to the local distributor

This equipment conforms to the EMC Directive 89/336/EEC.
Performance may be impaired by unusually strong electromagnetic fields.

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SD100

SECURITY DETECTOR

OPERATING INSTRUCTIONS