



MDS-10 Dual Sensor Detector

The MDS-10 combines unique Metal Detection (MD) and Ground Penetrating Radar (GPR) technologies to provide superior performance in the detection of ferrous and non-ferrous metal and conductive targets plus non-metal objects.



EFFECTIVE

Combining Minelab's patented Simultaneous Multi-Frequency Digital technology and Chemring's proven Ultra WideBand Impulse Radar to detect all conductive and non-conductive targets of interest in varied soil conditions and operating environments.

RUGGED

Constructed from impact resistant materials and designed to survive in any operating environment (MIL-STD-810G).

SENSOR COMBINATION

Metal Detection and Ground Penetrating Radar sensors able to operate independently or simultaneously, providing selectable visual, haptic (vibration) and audio alerts to the operator.

COMPACT

Extremely compact and lightweight detector to reduce operator fatigue.

EASE OF USE

Comprehensive User Interface designed for intuitive operation and minimising operator training requirements.

SAFE

Inability to accidentally switch off both sensors and all operator alerts — provision of a "heartbeat" during operation — and Built-In-Test equipment to monitor and confirm detector functionality.

MDS-10 Product Features



Lithium-ion Rechargeable Battery

Adjustable Armrest

Control Box

User Interface

Earset Connector

Speaker

Folding Handle

Camlocks

Telescopic Shafts



ROBUST / CONVENIENT

Impact resistant hard transit case contains carry bag, detector and accessories.



COMPACT / QUICK TO DEPLOY

GPR Antennas

Metal Detector Coil

MDS-10 User Interface

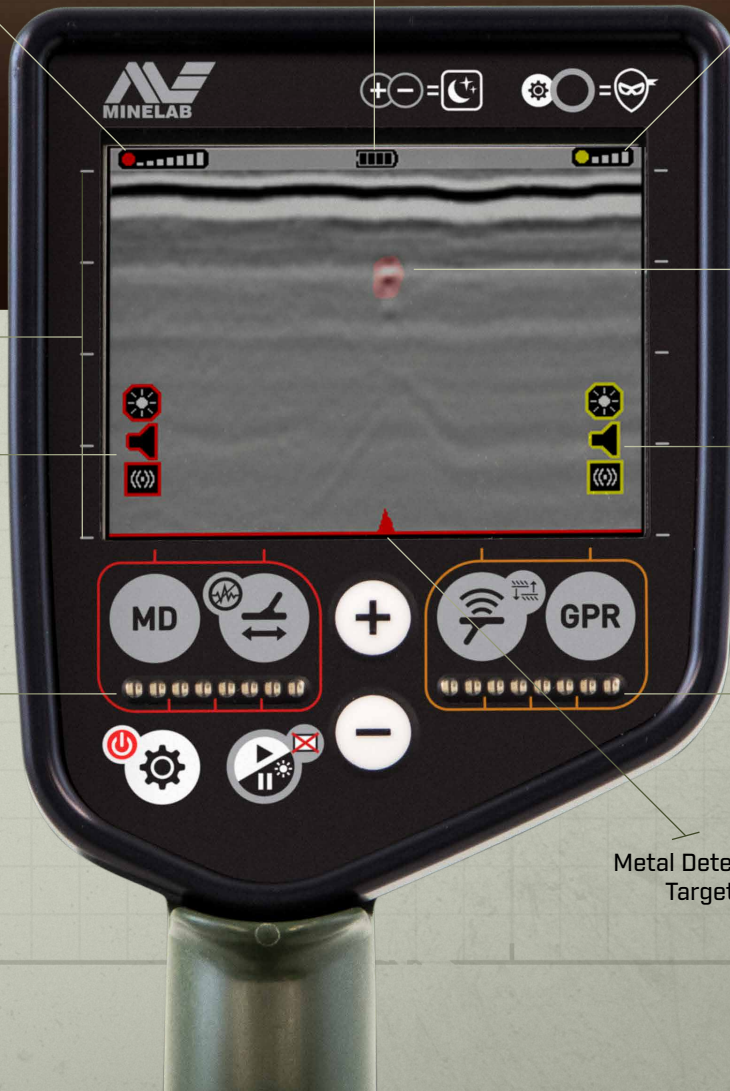
The MDS-10 is easy to operate – even with one gloved hand. The 3.5 inch waterproof and shockproof QVGA display, compatible with Night Vision Goggles, delivers optimal performance during tactical operations.



Metal Detecting Sensitivity Indicator

Battery Level Indicator

Radar Sensitivity Indicator



Radar Target

Radar Alerts

Radar Target Indicator

Metal Detection Target

Metal Detector Alerts

Radar B-Scan

Metal Detector Alerts

Metal Detector Target Indicator

Metal Detector Alerts

Metal Detector Alerts

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MDS-10 Key Features

- Variable Metal Detection and Ground Penetrating Radar sensitivity with volume control
- Detection, Interrogation and Pinpointing modes
- Fully enclosed and protected cables
- Fast and accurate location of targets
- Continuous real-time display of Metal Detection and Ground Penetrating Radar detections with the ability to pause graphical image for increased scrutiny of potential target
- Tactical Mode for night operations
- Waterproof – IP68
- Adjustable search head
- Selectable audio, haptic (vibration) and visual operator alerts
- Li-ion battery often used in Tier 1 military radios and optional AA battery pack
- Battery charger
- Hard case and carry bag
- Compatible with night vision goggles
- Intuitive user interface ensures operator training is kept to a minimum of time
- GPR transmission automatically stops when the detector is not in use by the operator

MDS-10 SPECIFICATIONS

Collapsed Detector Dimensions	485 × 152 × 195 mm
Extended Detector Dimensions	1567 × 275 × 195 mm
Detector Weight	2.8 kg (6.2 lbs)
Li-ion Battery	6.8 Ah Battery Life: >7 hours
AA Battery Pack	For use with AA alkaline or rechargeable batteries
Detection Alerts	All alerts independently configurable, Audio Speaker, Audio Headphones, MD and GPR target Indicators (with Night Vision Goggles compatibility), Vibration Motor (Haptic feedback) and Colour LCD 3.5" with Night Vision Mode
Waterproof	≤3 meters
Standards	MIL-STD-810G
EMC	MIL-STD-461G
IP Rating	IP68
Operating Temperature	-30°C to +60°C
Storage Temperature	-50°C to +80°C
Metal Detection Sensor	Technology: Simultaneous Multi-Frequency Digital Coil: 269 × 191 mm Mono Transmit, Figure 8 Receive Coil MD Modes: Detection / Interrogation / Pinpointing Calibration: Ground Balance and Noise Cancel
Ground Penetrating Radar	Technology: Ultra-Wide Band (UWB) Impulse Radar Calibration: Skyshot (2-3 seconds calibration time)

COUNTERMINE

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A Minelab and Chemring Product

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