

**EOD025****MINE AND METAL MINE DETECTOR****\*NATO STOCK NUMBER 6695-99-512-1542\***

**The Mine and Metal Detector is a hand-held mine and metal detector suitable for use in all theatres of operation. The instrument is highly sensitive and uses very high speed pulse induction technology to give exceptional performance against minimum metal content mines. The equipment is largely automatic in operation, being self adjusting to its immediate environment. It is very simple to operate with only minimum training required.**

All elements of the instrument (with the exception of an optional external clamshell earpiece) have been integrated into a single unit incorporating a control unit, batteries and telescopic halo assembly. There are no separate parts, and consequently no cumbersome interconnecting cables. The equipment is weather proof and totally sealed. The instrument is controlled by a microprocessor, which permits very precise timing, rapid switching and sophisticated signal processing. This is in conjunction with the novel head design, permits detection of very small objects even when in the vicinity of larger targets. The microprocessor also controls the automatic self diagnostic procedures.

The search head incorporates differential Rx coils which greatly reduce interference from external sources so enhancing the signal/noise ratio and permitting greater sensitivity. This feature also allows objects outside the area of the halo to be disregarded. However, the area of desensitisation is controlled so that signals from the sides of the search head are accepted.

A bank of LED's are mounted on the turret of the Mine and Metal Detector to assist with the pinpointing of targets. This feature along with the audio signal via loudspeaker or earpiece enables the centre of the target to be located to within a few millimetres. The Mine and Metal Detector's electronics incorporate an automatic power supply that enables the detector to be powered by two dry cells. The power supply maintains a constant voltage to the electronics, permitting maximum performance, whatever the state of the batteries, and utilises the full capacity of the cells.



Housing:	Weight 1480 g (inc. batteries)
Finish:	Black powder coat with cushioned hand grips
In operation:	Weight: 2170 g
Length: (as deployed):	1221mm
Controls:	Two Button, on zero and off
Indicators:	Battery low state is indicated by flashing LED and superimposed audio tone.
Batteries:	Type: 3 'C' type alkaline manganese dry cell.
Battery life:	Approximately 12 hours continuous

#### Parts

Search Halo: Length:	660mm
Diameter:	34mm
Weight:	690 g
Construction:	Black glass reinforced plastic shaft with machined protective PVC boot and integral wear indicator for waterproofing integrity.
Audio Device:	Lightweight Danavox earpiece.
Impedance:	2000 ohms. @ 1 Khz.

#### Soft case

Carries control unit, probe, spare battery carrier, and earpiece.  
Length: 740mm  
Width: 140mm  
Depth: 6 mm  
Detachable shoulder strap