



DETECTOR

DSMD

Applications

Handheld
Handheld

Types

Metal detectors (MD)

Last update

01/01/1970

General description

The detector comprises a telescopic tube, two probe-antennae which transmit and receive the magnetic field are mounted at the ends of the extensions. Target indication is by a high-readability colour LCD display on the front panel of the control unit and an acoustic warning signal with adjustable volume control. The embedded GPS receiver allows data logging capability in real time during operations: GPS information (Date, Time, Latitude, Longitude) can be recorded together with significant points and data is stored into a non-volatile memory at a rate of one event per second.

Working characteristics

The CEIA DSMD deep search ground search metal detector is an active electromagnetic induction (EMI) device based on the transmission of an alternated, low frequency magnetic field and the reception of the variations introduced in the magnetic field by buried metal masses. It is designed for the accurate detection of deeply buried large metal masses, including unexploded ordnance, whilst discriminating against ground magnetic anomalies.

Radio, audio, visual, sensitivity data

Visual display	high-readability colour LCD display on the front panel of the control unit
Sensitive adjustment	1
Ground balance	1

Power supply data

Battery	3 rechargeable Ni-MH 1.2V cells, ANSI size D or IEC size HR20 format
Low battery alert	1
Rechargeable	1
Operating time	10 hours
Operating time information	battery charger integrated - Charge cycles: 2 years of daily use (> 500 cycles, IEC standards)
Battery charger provided	1
Battery charger information	integrated - Charging time: about 5 hours (at 20o C).

Dimensional data

Length	1670 mm
Weight	6.2 kg
Search head size	300 mm
Shape	square
Transport case provided	1
Transport case weight	6.2 kg
Transport case weight info	case only

Factory support data

Factory support	worldwide support
Humidity (limitations)	no limitations
Water resistant	1
Temperature limitations	IP55; antenna IP68

Other information

