

# DSMD

## DIGITAL DEEP SEARCH METAL DETECTOR FOR UXO AND CLUSTER MUNITIONS DETECTION



### OPERATIONAL FEATURES

- **EFFECTIVE DETECTION** of magnetic and non-magnetic **UXO** and **CLUSTER MUNITIONS**
- **SUPERIOR DETECTION DEPTH**
- **HIGH DISCRIMINATION AGAINST SHALLOW METAL CLUTTER**
- **AUTOMATIC SOIL COMPENSATION** for every type of terrain
- **MODULAR DESIGN** with minimal assembly time required

### TECHNICAL FEATURES

- **COMPLETELY DIGITAL ELECTRONICS**, with in-field program memory upgrade capability
- **EMBEDDED GPS** and inertial navigation system
- **AUTOMATIC POSITION and DETECTION DATA LOGGING** for Quality Control
- **STATIC AND DYNAMIC DETECTION**, independent of the detector's rate of advance
- **OPERATION MONITORED BY GRAPHICAL INTERFACE** and a microcomputer-controlled **AUTO DIAGNOSTIC SYSTEM** with audible, optical and vibration warning signals
- **FAST INTEGRATED BATTERY CHARGER**



**TOTAL IMMUNITY**  
TO ENVIRONMENTAL  
MAGNETIC ANOMALIES AND  
HEAVILY MINERALIZED SOIL



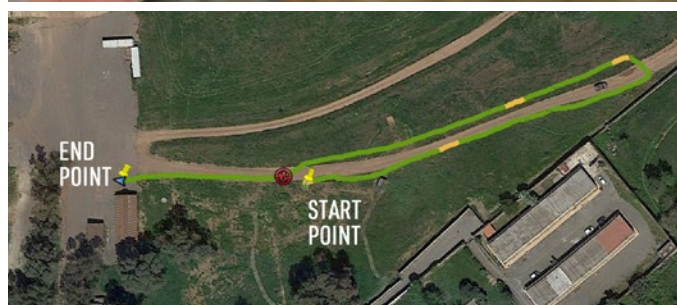
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## DESCRIPTION

The CEIA DSMD is an active electromagnetic induction (EMI) device based on the transmission of an alternated, low frequency magnetic field and the reception of the variations caused by buried metal masses.

- ✓ It is designed for the **accurate detection of deeply buried medium-large metal masses, including unexploded ordnance**, whilst discriminating against ground magnetic anomalies and metal fragmentation.
- ✓ **The detector comprises a telescopic tube and two probe-antennae** which transmit and receive the magnetic field, mounted at the ends of the extensions.
- ✓ **Target indication is by a high-readability colour TFT display** on the front panel of the control unit and an acoustic warning signal with adjustable volume control.
- ✓ **The embedded GPS** receiver allows real-time data logging capability during operations: GPS information (Date, Time, Latitude, Longitude) can be recorded along with significant points and data, stored into a non-volatile memory at a rate of one event per second.



REAL-TIME DATA LOGGING CAPABILITY DURING OPERATIONS

## DETECTING SET

DETECTOR	Probe antenna	A
	Control panel unit	B
POUCH FOR CABLE SET	Main power supply adapter for battery charger (UL and CEE cap)	C
	Adapter cable for battery charger for 12/24Vdc power supply via car lighter plug	
	USB cable for personal computer connection	
BATTERIES	1.2V Ni-MH rechargeable batteries, ANSI D or IEC HR20 format	D
TEST SAMPLE		E
MONAURAL EARPHONE WITH CONNECTION CABLE		F
INSTRUCTION MANUAL AND PART LIST		G
TRANSPORT CASE		H



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