

CMD3

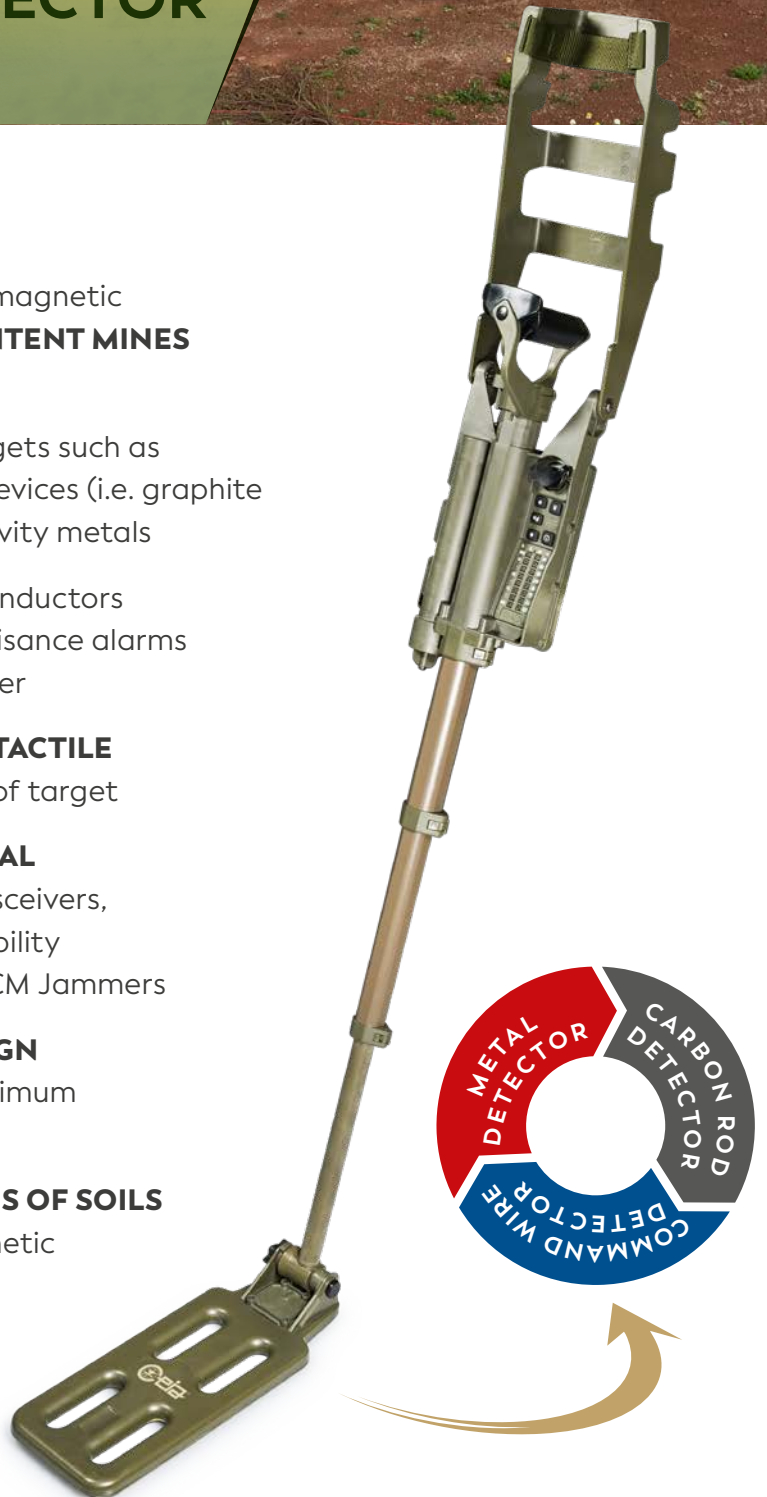
COMPACT TRIPLE-SENSOR METAL, CARBON ROD AND COMMAND WIRE DETECTOR

NSN: 6665-15-019-1908



KEY FEATURES

- MD** • **HIGH DETECTION SENSITIVITY** of magnetic and non-magnetic **LOW METAL CONTENT MINES** in all soil conditions
- CRD** • **ENHANCED IED DETECTION** of targets such as electrical conductive, non-metallic devices (i.e. graphite switches), short wires and high resistivity metals
- WD** • **COMMAND WIRE DETECTION** of conductors of any diameter and type with no nuisance alarms due to other metal targets and clutter
- **SEPARATE ACOUSTIC, VISUAL and TACTILE ALARM SIGNALLING** for each class of target
- **HIGH IMMUNITY AGAINST EXTERNAL INTERFERENCES**, (i.e. portable transceivers, power lines or generators) and capability to operate within the coverage of ECM Jammers
- **COMPACT and LIGHTWEIGHT DESIGN** ideal for rapid deployments with minimum storage space required
- **SUPERIOR ADAPTION TO ALL TYPES OF SOILS** even if heavily mineralized and magnetic





CMD3 — HIGHLIGHTS

- ✓ **CMD3 consists of a search head, a control unit, a telescopic pole and an elbow support** jointed together in a one-piece design. The detection head is light and the cabling is protected from any possible damage
- ✓ The **one-piece foldable design** allows the CMD3 to be operational in a very short time and easily carried everywhere
- ✓ The Detector offers the **best combination of functional and operational characteristics**: it provides the highest ratio between overall dimensions, detection performance and operational weight
- ✓ **CMD3 does not require any manual calibration**; in addition, optimum sensitivity is ensured over all types of terrain due to CEIA's **Exclusive Automatic Soil Compensation System**
- ✓ Localization of the threats is assisted by an **Acoustic Modulation pinpointing system** aided by **Visual LED bar-graphs**, which allows the position of the detected item to be identified accurately
- ✓ **Integrated GPS and data logging system** for traceability and quality control of clearance operation
- ✓ **Command Wire detection** capability independent from the orientation of the search head.
- ✓ Visual signalling selectable as **visible or infrared mode** (compatible with night vision devices)
- ✓ **Operable up to one meter** distance from detector to detector
- ✓ **Battery level monitoring** with notice before complete discharge

**MINIMUM SET-UP TIME:
LESS THAN TWENTY SECONDS**

INTEGRATED BATTERY CHARGER



- **LARGE SCAN WIDTH**
- **NARROW FRONT SIZE**
- **DETECTION IN ALL DIRECTIONS**

COMPACT AND LIGHTWEIGHT DESIGN

Easy to operate control panel, providing all alarm indications and access to working parameters

CONTROL PANEL

- 1** DISPLAY

- 2** AMBIENT LIGHT SENSOR

- BACK-LIGHTED KEYBOARD

- Fn** PARAMETERS "DISPLAY AND SETTING" SELECTION

- 3** PARAMETERS SETTING

- ON/OFF SWITCH

- R** RESET AND SOIL COMPENSATION

- 4** BUILT-IN SPEAKER

- 5** BUILT-IN VIBRATION SIGNALLING INDICATOR

- 6** "EARPHONE" CONNECTOR - CHARGING AND RS-232 INTERFACE



DETECTING SET

DETECTOR



NON-METALLIC TEST PIECE



1.2V NI-MH, ANSI C BATTERIES



AC POWER SUPPLY for the built-in battery charger, with power cords (UL and CEE plug)



CARRY BAG



MANUAL, FIELD INSTRUCTION & PART LIST



METALLIC TEST PIECE



HOOK/CLIP FOR EARPHONE



DC POWER SUPPLY CABLE for the built-in battery charger fitted with a vehicle cigarette lighter plug



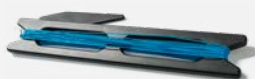
TRANSPORT CASE (OPTIONAL)



EARPHONE



COMMAND WIRE TEST SAMPLE



LEG STRAP FOR THE CARRY BAG




PLASTIC LOCKING BOLT FOR SEARCH HEAD (SPARE)



CMD3

TECHNICAL DATA



PROMPTNESS	Switch-on time: 5 sec.
	Set-up time: less than 20 sec.
	Soil Compensation: 16 sec.
	Reset: 1.5 sec. with automatic reset feature
DIMENSIONS	Search head (W x L): 140 mm x 350 mm
	Folded: 390 mm x 160 mm x 85 mm
	Fully extended: 1300 mm
	Carry bag: 395 mm x 205 mm x 130 mm
WEIGHT	Detector (batteries included): 2.25 kg
	Carry bag: 0.6 kg
	Earphone: 0.155 kg
PROTECTION DEGREE (IEC 60529)	IP 68 (waterproof to 2 m for 24 hours)
ENVIRONMENTAL DATA	Storage temperature: -55°C to +85°C
	Operating temperature: -46°C to +70°C
CONFORMITY	Complies with the international standards on radio interference and human exposure to electromagnetic fields
	MIL-STD-810 Compliant
	STANAG 4370 Compliant
BATTERY	3 x 1.2V Ni-MH C cells - HR14
	3 x IEC size LR14
BATTERY CHARGE TIME	3.5 h (with built-in battery charger)
BATTERY LIFE	More than 8 h (continuous use) with the rechargeable batteries provided by CEIA
BATTERY CYCLE LIFE	2 years of daily use (≥ 500 cycles)
EXTERNAL AC/DC ADAPTER	100-240 Vac (50/60Hz) - 25 W
EMBEDDED SMART BATTERY CHARGER	Fast charging time: < 3.5 hours full charge
	



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CEIA provides complete support for technical and operational courses, given by certified personnel, either on site or at its own premises:

- **FIRST AND SECOND LINE MAINTENANCE**
- **OPERATOR TRAINING**
- **TRAINER-TRAINING PROGRAMS**

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