


# CMD3

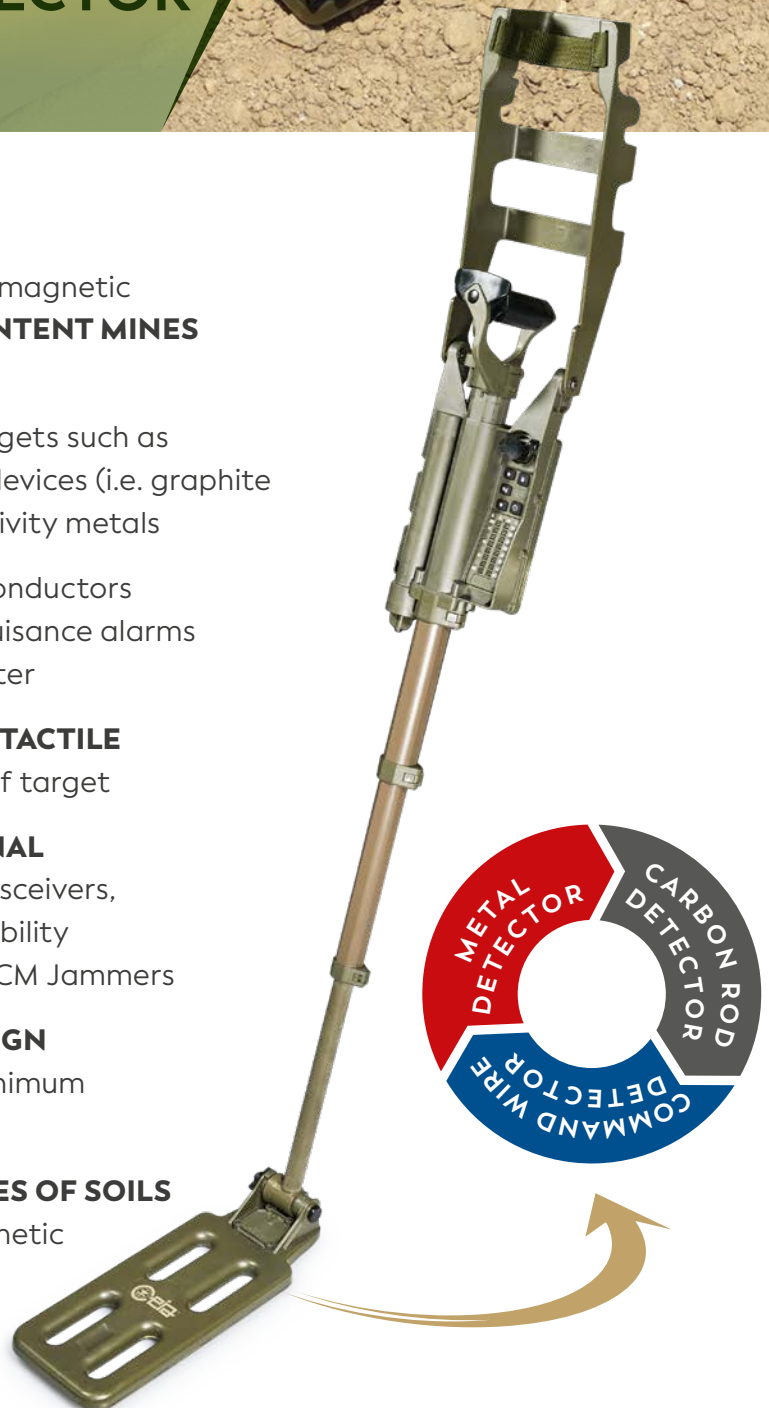
## COMPACT TRIPLE-SENSOR METAL, CARBON ROD AND COMMAND WIRE DETECTOR

NSN: 6665-15-019-1908



### KEY FEATURES

- 
**HIGH DETECTION SENSITIVITY** of magnetic and non-magnetic **LOW METAL CONTENT MINES** in all soil conditions
- 
**ENHANCED IED DETECTION** of targets such as electrical conductive, non-metallic devices (i.e. graphite switches), short wires and high resistivity metals
- 
**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 SIGNALING** 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** joined 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
- ✓ **Command Wire detection** capability independent from the orientation of the search head.
- ✓ Visual signaling selectable as **visible or infrared mode** (compatible with night vision devices)
- ✓ **Operable up to 3 feet** 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

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- 2 AMBIENT LIGHT SENSOR  
BACK-LIGHTED KEYBOARD  
**Fn** PARAMETERS "DISPLAY AND SETTING" SELECTION

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- 3 **↑ ↓** PARAMETERS SETTING  
**⏻** ON/OFF SWITCH  
**R** RESET AND SOIL COMPENSATION

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- 4 BUILT-IN SPEAKER

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- 5 BUILT-IN VIBRATION SIGNALING INDICATOR

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- 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



### LEG STRAP FOR THE CARRY BAG



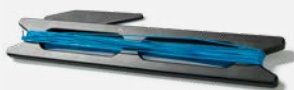
### DC POWER SUPPLY CABLE for the built-in battery charger fitted with a vehicle cigarette lighter plug



### EARPHONE



### COMMAND WIRE TEST SAMPLE




### PLASTIC LOCKING BOLT FOR SEARCH HEAD (SPARE)



### TRANSPORT CASE (OPTIONAL)



# CMD3 – SPECIFICATIONS

PROMPTNESS	<b>Switch-on time:</b> 5 sec.
	<b>Set-up time:</b> less than 20 sec.
	<b>Soil Compensation:</b> 16 sec.
	<b>Reset:</b> 1.5 sec. with automatic reset feature
DIMENSIONS	<b>Search head (W x L):</b> 5.5" x 13.8"
	<b>Folded:</b> 15.3" x 6.3" x 3.3"
	<b>Fully extended:</b> 51.2"
	<b>Carry bag:</b> 15.6" x 8.1" x 5.1"
WEIGHT	<b>Detector (batteries included):</b> 4.96 lbs
	<b>Carry bag:</b> 1.32 lbs
	<b>Earphone:</b> 0.34 lbs
PROTECTION DEGREE (IEC 60529)	<b>IP 68</b> (waterproof to 6.5 ft for 24 hours)
ENVIRONMENTAL DATA	<b>Storage temperature:</b> -67°F to 185°F
	<b>Operating temperature:</b> -51°F to 158°F
CONFORMITY	Complies with international standards on radio interference and human exposure to electromagnetic fields
	<b>MIL-STD-810</b> Compliant
	<b>STANAG 4370</b> 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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## MIL-STD-810 COMPLIANT

Compliant with the following:

- **LOW TEMPERATURE TEST**
- **HIGH TEMPERATURE TEST**
- **TEMPERATURE SHOCK TEST**
- **HUMIDITY TEST**
- **SHOCK (BUMP) TEST**
- **DROP (SHOCK) TEST**
- **LEAKAGE TEST**
- **RAIN TEST**
- **SALT FOG TEST**
- **ELECTROSTATIC DISCHARGE**
- **VIBRATION RANDOM TEST**
- **LOW PRESSURE (ALTITUDE) TEST**
- **RAPID COMPRESSION / DECOMPRESSION**

## HIGH IMMUNITY AGAINST EXTERNAL E.M. FIELDS

- **LOW FREQUENCY INDUCTION FIELDS**

▶ Main supply power lines



- **RADIO FREQUENCY FIELDS**

▶ Vehicular jammers  
▶ Portable transceivers  
▶ Broadcasting emitters



**CEIA USA Ltd** - 6336 Hudson Crossing Parkway, Hudson OH 44236  
**P** 330-405 3190 • **F** 330-405 3196 • **E** gsmd@ceia-usa.com • **Call** (833) 224-2342 (CEIA)

[www.ceia-usa.com](http://www.ceia-usa.com)

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