

# CEIA CMD

## VERY HIGH PERFORMANCE COMPACT METAL DETECTOR



### FEATURE HIGHLIGHTS

- **Effective detection** of all metal and minimum-metal content targets
- **Balanced, Lightweight** design
- **One Piece Retractable** design
- **Small packaging** size
- Accurate pin-pointing of the target's position indicated by: • **acoustic modulation** • **maskable led display**
- **High discrimination** capability for adjacent targets
- **Automatic Compensation** for mineralized and high natural metal content soil
- **Integrated battery charger**
- **Long-Lasting battery life**
- Extremely **high level** of electrical and mechanical **reliability**
- Operation monitored by a microcomputer-controlled autodiagnostic system
- **Completely digital electronics**, with in-field program memory upgrade capability
- Ease of operation with **minimum training time required**
- **Minimum set-up time**





The CEIA CMD is a **very high performance, high-sensitivity Compact Metal Detector** designed to detect metal and minimum-metal content targets in conductive and non-conductive soils, including laterite and magnetite

### ONE-PIECE FOLDABLE DESIGN

The Metal Detector comprises a search head, a control unit, a telescopic pole and an elbow support all jointed together in a one-piece design. The detection head is light and the wiring is designed to be protected from any possible damage.

The One-Piece Foldable design allows the CEIA CMD Metal Detector to be **operational in a very short time and to be carried easily everywhere.**

The detector is equipped with a **built-in Ni-MH battery charger** (3 hours. max) which allows the batteries to be recharged without the need to extract them. This also allows full environmental protection of components and maximum operational speed for the user.

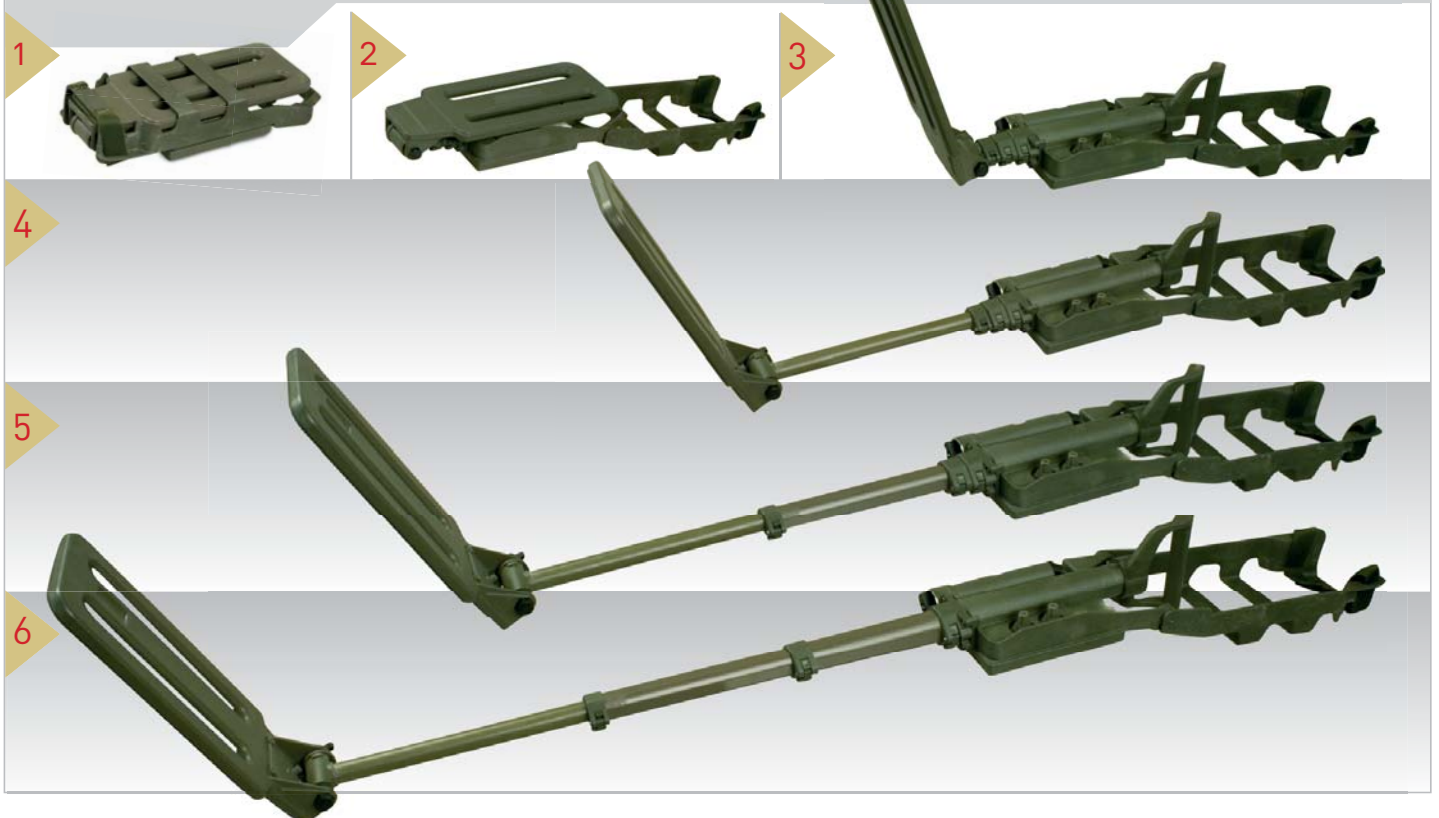
### ERGONOMIC OPERATION

Intentionally designed to be used easily and comfortably in every working condition, the CEIA CMD can be set up for operation in less than twenty seconds.

In addition to its small size and low weight the Metal Detector **maintains all the most important features of the field proven MIL-D1 Metal Detector.**

The length of the telescopic pole can be adjusted for operation in **upright, kneeling or prone positions.**

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





OPERATIONAL TESTS ON MINERALIZED SOILS AT THE CEIA TEST SITE

## EXCLUSIVE AUTOMATIC SOIL COMPENSATION SYSTEM

The CEIA CMD **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.

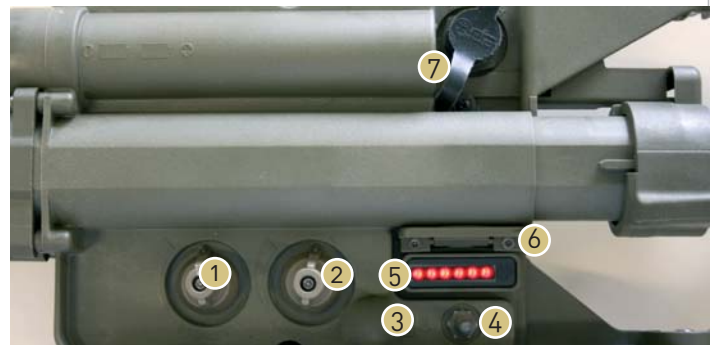
Localization of metal objects is optimized by an **Acoustic Modulation pinpointing system** aided by a Visual LED bar graph, which allows the position of the detected mass to be identified accurately.

If desired, the led bar can be masked with a snap-down cover so as to avoid remote visibility (stealth operation).

## MODERN CONTROL UNIT

The watertight control unit withstands the most stringent environmental requirements and Standards. **All controls are within easy reach** of the operator:

- 1 volume adjustment
- 2 sensitivity adjustment
- 3 built-in speaker
- 4 main switch and spring actuated reset switch
- 5 luminous bar indicator of signal intensity
- 6 snap-down cover to mask the led bar indicator
- 7 headphone connector - RS-232 interface



## ACCESSORIES

### TECHNICAL MAINTENANCE TOOL KIT

The Maintenance Tool Kit is a complete, self-contained tool kit designed specifically for CEIA CMD Maintainers. It includes **all tools required for any maintenance and repair requirements**.

**The strong, compact, watertight case** allows the use of the Kit everywhere and in all conditions, so as to keep the device in perfect operating condition.

### TRAINING SET

The Training Set includes various reference samples, **designed to test the detection of samples at different depths**. It is a versatile training tool for different detection techniques, and is also suitable for testing various metal detectors.



TRAINING SET

TECHNICAL MAINTENANCE TOOL KIT

The kit is supplied complete with Certification of Conformity to the Primary Reference Sample.

# CEIA CMD

The detector is manufactured in compliance with the **ISO-9001** standard and has been designed to **satisfy the most stringent operational requirements** in any application field



## TRANSPORTATION



- 1 headphone (option)
- 2 hook/clip for attaching headphone to clothing
- 3 instruction manuals
- 4 batteries



## NATO NUMBER

CEIA CMD: N. 6665 151805234

## TECHNICAL DATA

<b>POWER SUPPLY</b>	Types of batteries (2x), ANSI Standard, type C 1.5V Alkaline (LR14) 1.2V Ni-MH rechargeable
<b>BATTERY LIFE</b>	Battery life at 20°C (68°F) (default search program): - with alkaline batteries: 6 hours - with Ni-MH (6000 mAh) rechargeable batteries: 8 hours  Battery charge indicator
<b>METAL ALARM</b>	Adjustable sensitivity  Audible alarm with adjustable volume and visual LED display
<b>DIMENSIONS</b>	<b>Search head:</b> 13.78" x 5.51" (350 x 140 mm) <b>Folded:</b> 15.24" x 6.18" x 3" (387 x 157 x 75 mm) <b>Fully extended:</b> 50.80" (1290 mm) <b>Carry bag:</b> 15.55" x 7.87" x 4.33" (395 x 200 x 110 mm)
<b>WEIGHT</b>	<b>Complete unit</b> (with batteries): 4.63 lbs (2.10 kg) <b>Carry bag:</b> 1.10 lbs (0.5 kg)
<b>ENVIRONMENTAL</b>	<b>Storage temperature:</b> -67°F to + 185°F (-55 °C to +85 °C) <b>Operational temperature:</b> -50.8°F + 158°F (-46 °C to +70 °C)  Meeting and exceeding the relevant environmental Standards
<b>LEVEL OF PROTECTION</b>	IP68 (IEC 529)  Carry bag in water resistant synthetic canvas
<b>SET-UP TIME</b>	Twenty seconds typical (batteries already in place)
<b>OPTIONS/ ACCESSORIES</b>	90-260V~ power supply adapter for the built-in battery charger  12/24Vdc power supply cable for the built-in battery charger fitted with a car cigarette lighter plug  External loudspeaker