

CEIA CMD

VERY HIGH PERFORMANCE COMPACT METAL DETECTOR

- Effective Detection of all metal and minimum-metal content targets
- Accurate pin-pointing of the target's position
- High discrimination capability for adjacent targets
- Automatic Compensation for mineralized and high natural metal content soil
- Balanced, lightweight design
- Extremely high level of electrical and mechanical reliability
- Integrated battery charger
- Long-Lasting battery life
- Ease of operation with minimum training time required

EXCLUSIVE
AUTOMATIC SOIL
COMPENSATION
SYSTEM

SENSITIVITY
ADJUSTABLE
OVER A WIDE
RANGE OF VALUES

ONE PIECE
RETRACTABLE
DESIGN



www.ceia.net



Threat Detection through Electromagnetics

CEIA reserves the right to make changes, at any moment and without notice, to the models, their accessories and options, to the prices and conditions of sale.

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.

Pinpointing of the metal objects is aided by an evolved system of acoustic modulation and an LED bar indicator.

ONE-PIECE FOLDABLE DESIGN

The Metal Detector 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 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 which allows the batteries to be recharged (in 3 hour max) without the need to extract them from the unit.

This also allows full environmental protection of components and maximum operational speed for the user.

ERGONOMIC OPERATION

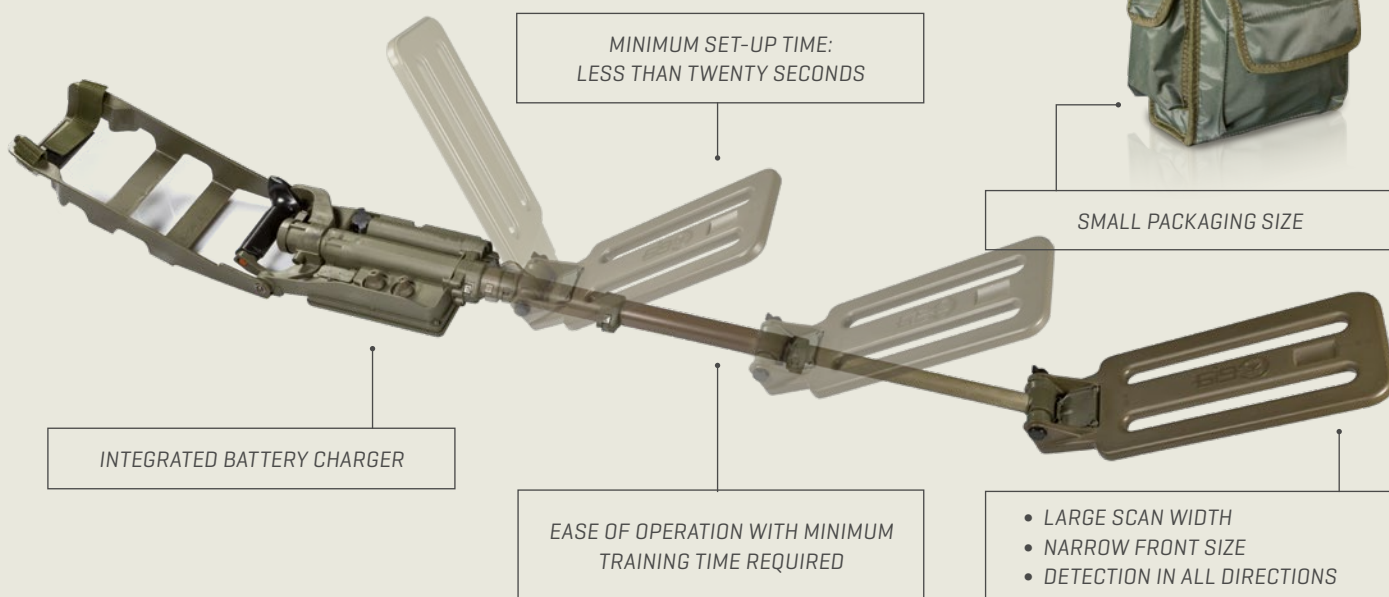
Intentionally designed to be used easily and comfortably in every working condition, the CEIA CMD can be set up for operation in less than twenty seconds.

The Metal Detector offers the best combination of functional and operational characteristics: it provides the highest ratio between overall dimensions, detection depth and operational weight.

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

The special shape of the CEIA CMD search head gets simultaneously the fastest advance rate and inspection capability of narrow spaces.

BALANCED, COMPACT, LIGHTWEIGHT DESIGN





EFFICIENT DETECTION IN ALL TYPES OF TERRAIN



CEIA TRAINING FACILITY

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 operations].

COMPLETE SUPPORT FOR TECHNICAL AND OPERATIONAL COURSES

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

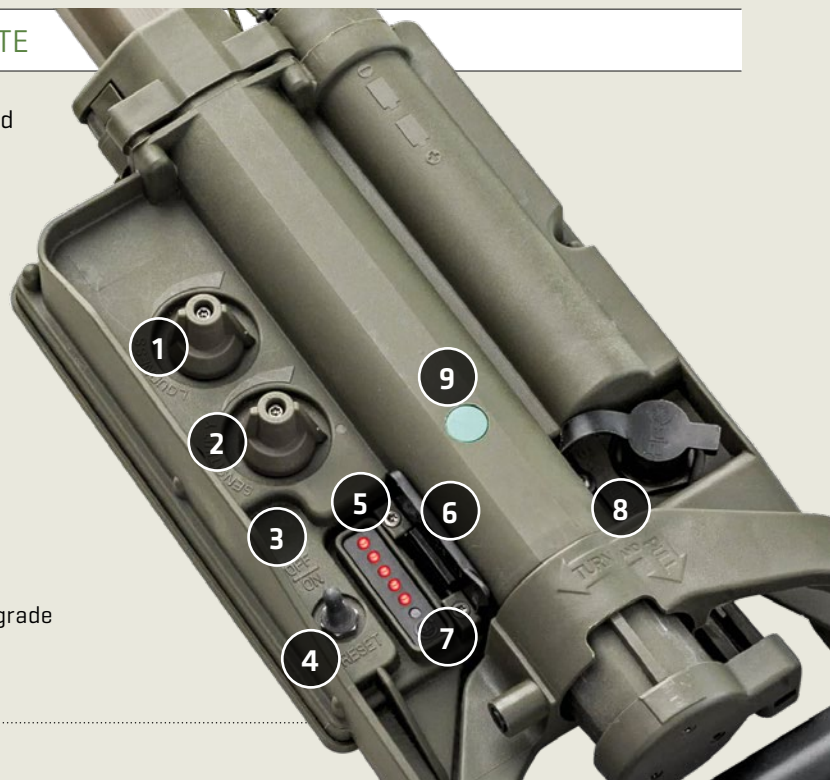
The curriculum includes first and second line maintenance, training for operators and a course for operator instructors:

- In country training and assistance
- Proprietary software tools for remote control and oscilloscope features
- Multilingual telephone and online assistance
- Hardware and software upgrade
- Field Programming Key for in-the-field software upgrade

MODERN CONTROL UNIT: SIMPLE TO OPERATE

The watertight control unit and search head withstand the most stringent environmental requirements and Standards:

- 1 Volume adjustment
- 2 Sensitivity adjustment
- 3 Built-in speaker [internal]
- 4 Main switch and spring actuated reset switch
- 5 LED bar indicator of signal intensity
- 6 Snap-down cover
- 7 Battery charger status indicator
- 8 Single Multifunction Connector:
 - Battery charge
 - Headphone
 - Accessories
 - Upgrade
- 9 Color Frequency Indicator



SPECIFICATIONS

POWER SUPPLY	Types of batteries [2x], ANSI Standard, type C 1.2V Ni-MH rechargeable - 1.5V Alkaline [LR14]	
BATTERY LIFE AT 20°C [DEFAULT SEARCH PROGRAM]	with Ni-MH [6000 mAh] rechargeable batteries: 8 hours	
	with alkaline batteries: 6 hours	
	Battery charge indicator	
METAL ALARM	Adjustable sensitivity	
	Audible alarm with adjustable volume and visual LED display [maskable with a snap-down infrared cover]	
DIMENSIONS	Search head: 350 mm x 140 mm	
	Folded: 387 mm x 157 mm x 76 mm	
	Fully extended: 1290 mm	
	Carry bag: 395 mm x 200 mm x 110 mm	
WEIGHT	Metal Detector	without batteries: 1,98 kg
		batteries included: 2,1 kg
	Carry bag: 540 g	
	Headphone: 170 g	
OPERATING TEMPERATURE	-46 °C to +70 °C	
STORAGE TEMPERATURE	-55 °C to +85 °C	
LEVEL OF PROTECTION	IP68 [IEC 529]	
	Carry bag in water resistant synthetic canvas	
SET-UP TIME	Twenty seconds typical [batteries already in place]	
BUILT-IN BATTERY CHARGER POWER SUPPLY	90-260V~ power supply adapter	
	12/24Vdc power supply cable fitted with a vehicle cigarette lighter plug	
OPTIONS	External loudspeaker	
	Rigid transport case	

ACCESSORIES



GSMD-FPK

Field Programming Key.
Direct connection to the
Headphone control unit connector.



GSMD-VBR

Vibration Signalling Device



GSMD-HELMET-RDU

Remote Visual/Acoustic slim line signalling device.

GSMD-TK

Technical Maintenance Tool Kit.
It includes all tools required for any maintenance and repair
requirements

GSMD-TPS

Test Pieces Set.
It includes various reference
samples, designed to test
the detection of samples at
different depths.



CEIA CMD DETECTING SET

- 1 Detector
- 2 Carry Bag
- 3 Headphone
- 4 Hook/clip
for attaching headphone to clothing
- 5 Operations Manual and Field Guide
- 6 Batteries
- 7 Metallic Test piece
- 8 Power supply for the built-in battery
charger, with power cords
[UL and CEE plug]
- 9 Power supply cable for the built-in
battery charger fitted with
a car cigarette lighter plug



Zona Industriale 54/G, 52041 Vicinaggio - Arezzo [ITALY]

T +39 0575 4181 • F +39 0575 418276 • E infogsmd@ceia-spa.com

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