



NSN: 6665 151952879

CMD[®] V2

COMPACT METAL & CARBON ROD DETECTOR

- **EFFECTIVE DETECTION OF:**
 - Low & High metallic targets
 - Carbon Rods based IEDs
 - Non-Metallic Conductive Devices of IEDs
 - Short, Single and Multi-Strand Wires
- **UNIQUE INDIVIDUAL OPTICAL and ACOUSTIC ALARM SIGNALING** for Metal and Carbon Rod Detection
- Accurate pin-pointing of the target's position
- High discrimination capability for adjacent targets
- Extremely high level of electrical and mechanical reliability
- Integrated battery charger
- Long-Lasting battery life

EXCLUSIVE
AUTOMATIC SOIL
COMPENSATION
SYSTEM

ADJUSTABLE
SENSITIVITY
OVER A WIDE RANGE
OF VALUES

ONE PIECE
RETRACTABLE
DESIGN

Dual-Sensor

Technology



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Threat Detection through Electromagnetics

In 2009, following a growing need to widen the hand-held IED detection capability, CEIA introduced **the first-ever electromagnetic Metal & Carbon Rod Dual-Sensor Detector.**

The **CMD V2** is a very high performance, high-sensitivity Compact Dual-Sensor system **designed to detect metal and minimum-metal content targets in conductive and non-conductive soils, including laterite and magnetite, as well as a wide range of unconventional targets such as conductive non-metallic devices (e.g. carbon rods), wires and mercury switches.**

ONE-PIECE FOLDABLE DESIGN

The Dual-Sensor 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 **CMD V2** Metal Detector to be operational in a very short time and easily carried 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

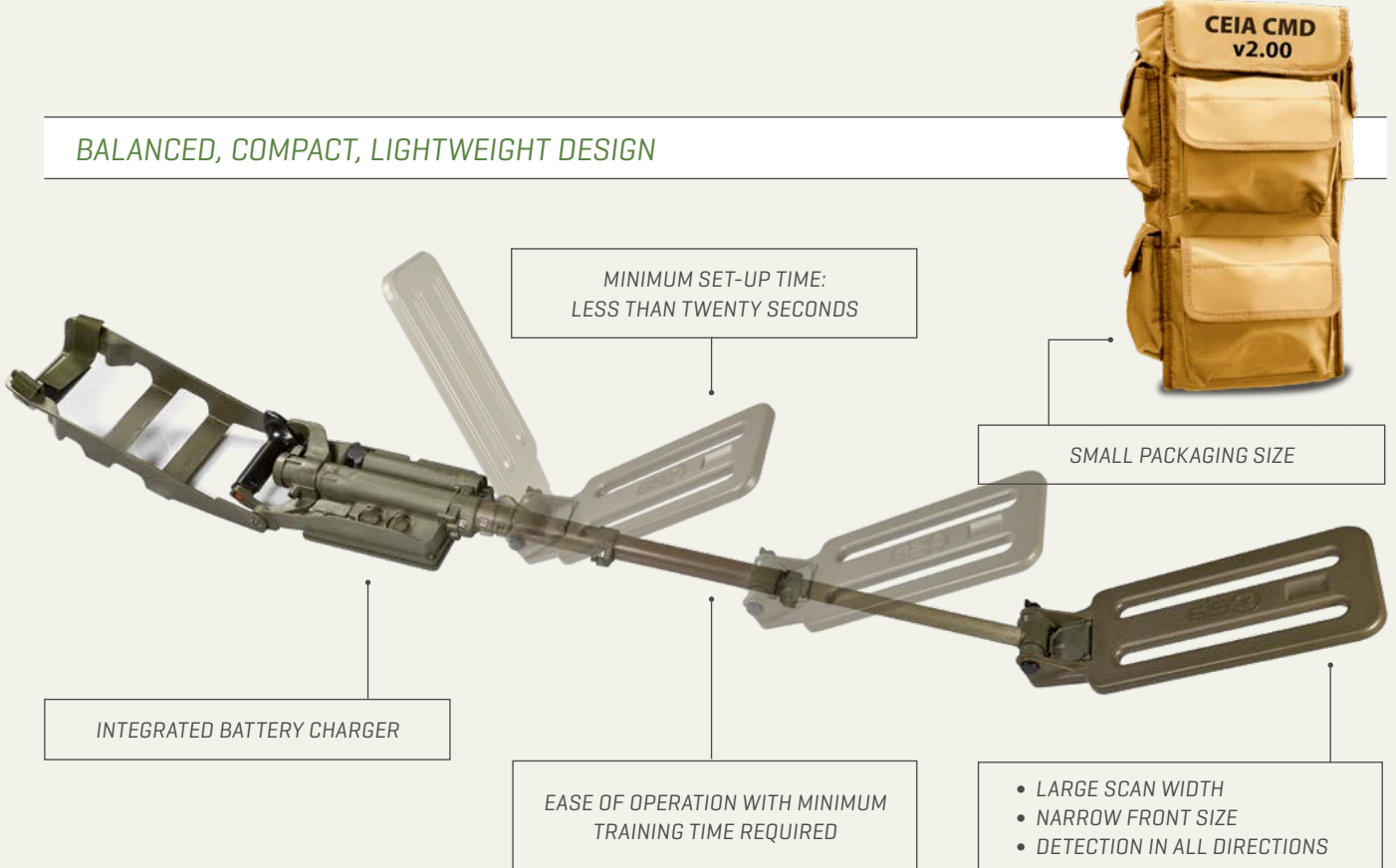
Intentionally designed to be used easily and comfortably in every working condition, the **CMD V2** can be set up for operation in less than twenty seconds.

The 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 **CMD V2** search head simultaneously provides the fastest advance rate along with the inspection capability of narrow spaces.

BALANCED, COMPACT, LIGHTWEIGHT DESIGN





EXCLUSIVE AUTOMATIC SOIL COMPENSATION SYSTEM

The **CMD V2** 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 a Visual LED bar graph, which allows the position of the detected item to be identified accurately.

If desired, the LED bar can be masked with a snap-down cover to avoid remote visibility [stealth operations].

COMPLETE SUPPORT FOR TECHNICAL AND OPERATIONAL COURSES

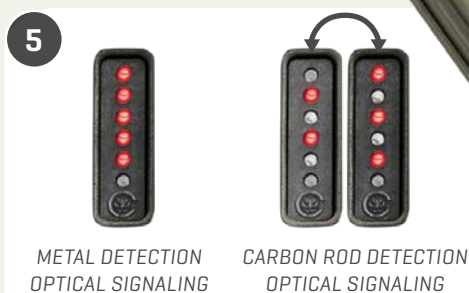
CEIA provides complete support for technical and operational courses, given by certified personnel, either on site or at its own premises. The curriculum includes first and second line maintenance, training for operators and a course for operator instructors:

- 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 can 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	
METAL ALARM	Adjustable sensitivity Audible alarm with adjustable volume and visual LED display [maskable with a snap-down infrared cover]	
CARBON ROD ALARM	Adjustable sensitivity Specific 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.



CMD V2 DETECTING SET

- 1 Detector
- 2 Batteries
- 3 Carry Bag
- 4 Hook/clip for attaching headphone to clothing
- 5 Headphone
- 6 Operations Manual and Field Guide
- 7 Metallic and Non-Metallic test pieces
- 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



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CEIA reserves the right to make changes, at any moment and without notice, to the models [including programming], their accessories and options, to the prices and conditions of sale - DP100K0021v1000hUK - 2019

