

CMD[®]

VERY HIGH PERFORMANCE COMPACT METAL DETECTOR

NSN: 6665-15-1805234



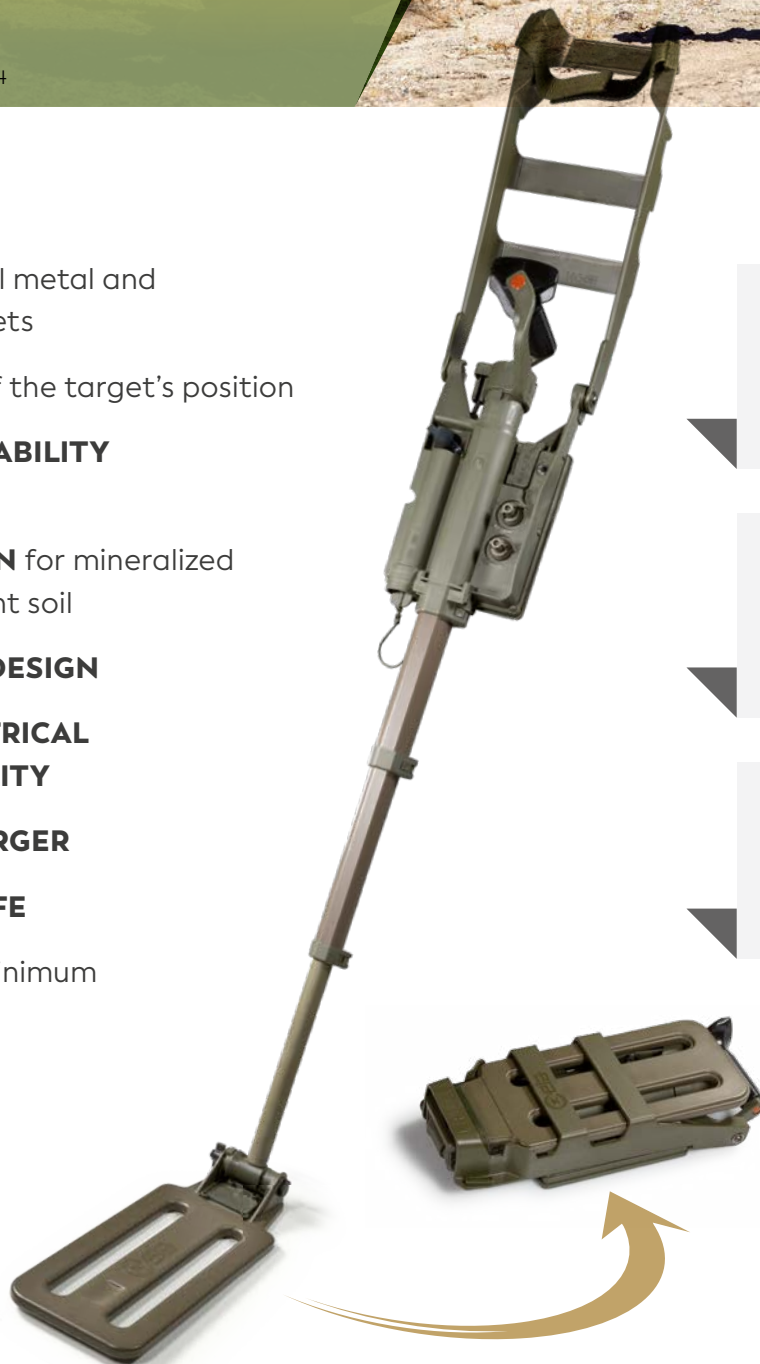
KEY FEATURES

- **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



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GSA Contract Holder

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 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

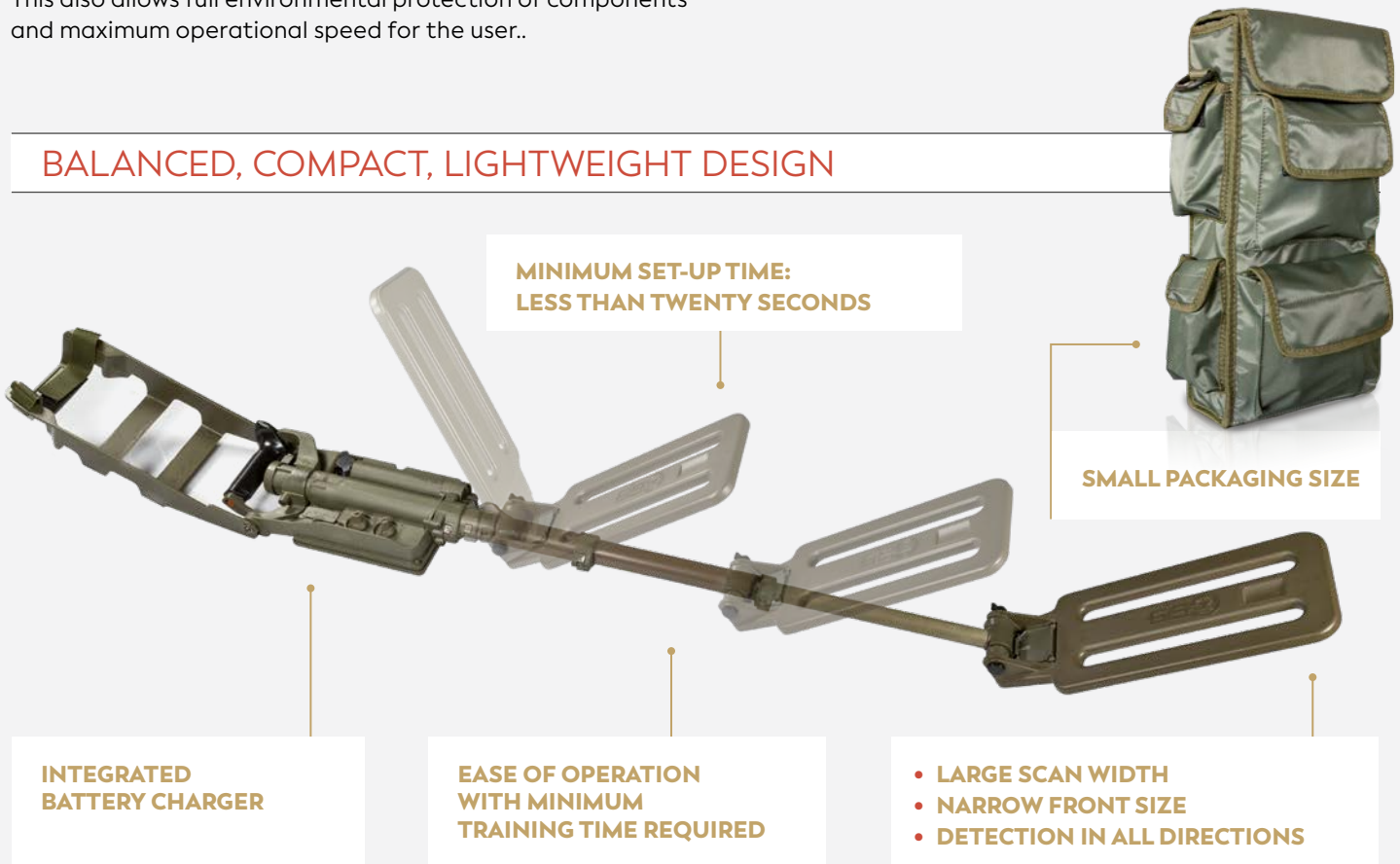
Intentionally designed to be used easily and comfortably in every working condition, the CMD can be set up for operation in less than twenty seconds.

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

BALANCED, COMPACT, LIGHTWEIGHT DESIGN



MINIMUM SET-UP TIME:
LESS THAN TWENTY SECONDS

SMALL PACKAGING SIZE

INTEGRATED
BATTERY CHARGER

EASE OF OPERATION
WITH MINIMUM
TRAINING TIME REQUIRED

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



EFFICIENT
DETECTION
IN ALL TYPES
OF TERRAIN



EXCLUSIVE AUTOMATIC SOIL COMPENSATION SYSTEM

The 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).

COMPLETE SUPPORT FOR TECHNICAL AND OPERATIONAL COURSES

CEIA USA 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
- Hardware and software upgrade
- Field Programming Key for in-the-field software upgrade

MODERN CONTROL UNIT

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



CMD® 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	Battery charge indicator	
	Adjustable sensitivity	
DIMENSIONS	Audible alarm with adjustable volume and visual LED display (maskable with a snap-down infrared cover)	
	Search head: 13.78" x 5.51"	
	Folded Metal Detector: 15.24" x 6.18" x 3"	
	Fully extended: 50.79" mm	
WEIGHT	Carry bag: 15.55" x 7.87" x 4.33"	
	Metal Detector	without batteries: 4.37 lbs
		batteries included: 4.63 lbs
	Carry bag: 1.2 lbs	
ENVIRONMENTAL DATA	Headphone: 0.37 lbs	
	Storage temperature: -67°F to 185°F	
LEVEL OF PROTECTION	Operating temperature: -51°F to 158°F	
	IP68 (IEC 529)	
SET-UP TIME	Carry bag in water resistant synthetic canvas	
	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 Signaling 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 DETECTING SET

- 1 DETECTOR
- 2 BATTERIES
- 3 CARRY BAG
- 4 HOOK/CLIP for attaching headphone to clothing
- 5 HEADPHONE
- 6 OPERATIONS MANUAL & FIELD GUIDE
- 7 METALLIC AND NON-METALLIC TEST PIECE
- 8 Power supply cable for the built-in battery charger fitted with a car cigarette lighter plug
- 9 Power supply for the built-in battery charger, with power cords (UL and CEE plug)



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CEIA USA 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 - DP140K0018v1000uUS (2022)