

NSN: 6665-151952881



CMD/DW

AMPHIBIOUS COMPACT METAL DETECTOR

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**
- **EASE OF OPERATION** with minimum training time required



CERTIFIED TO
100 m FOR DEEP
WATER SEARCH

EXCLUSIVE
AUTOMATIC SOIL
COMPENSATION
SYSTEM

ONE PIECE
RETRACTABLE
DESIGN



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The **CEIA CMD/DW** is a very high performance, high sensitivity **amphibious metal detector certified to detect metal and minimum-metal content targets** from ground to fresh or salt water bodies down to 100 m depth.

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/DW 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

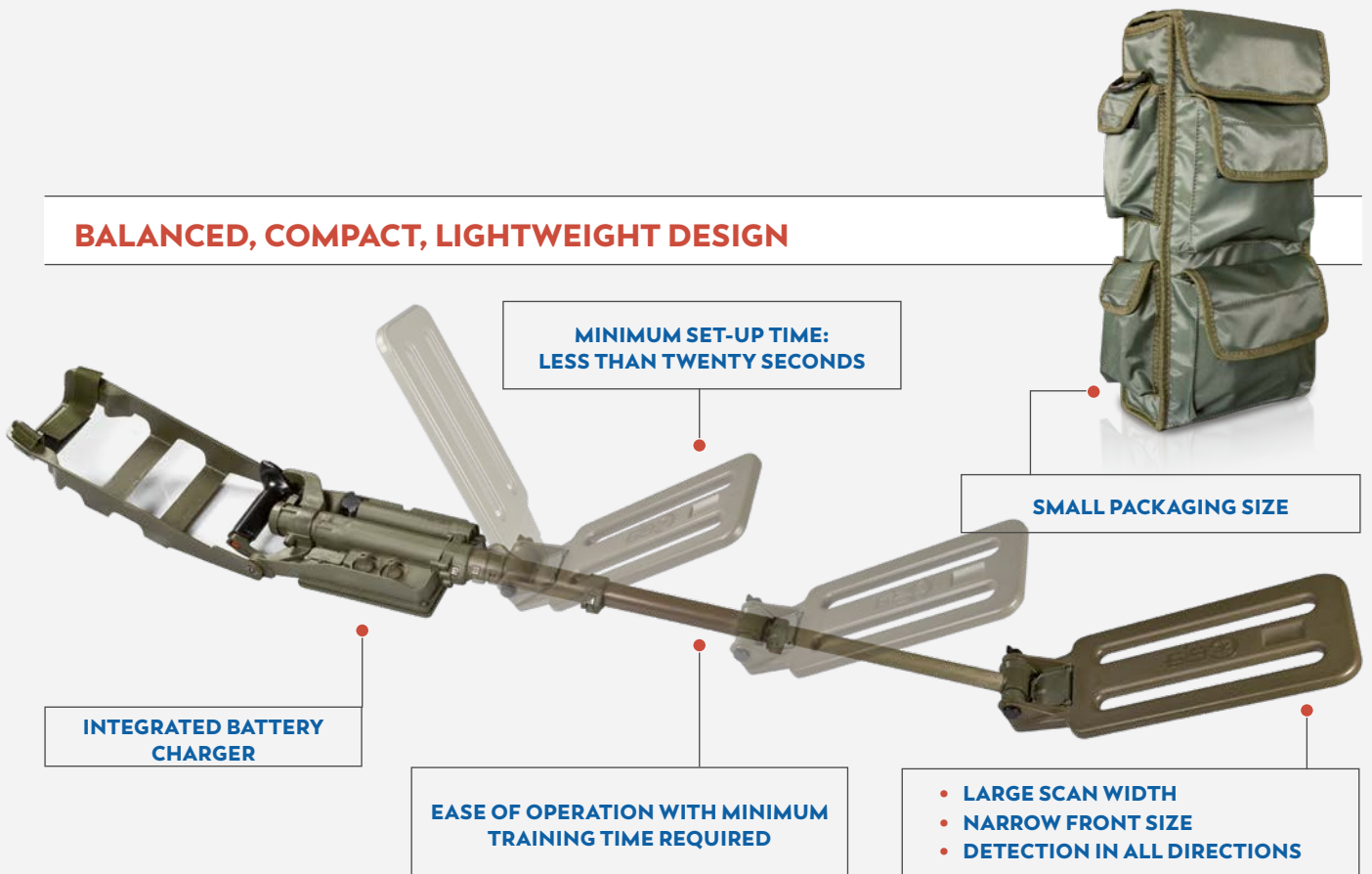
Intentionally designed to be used easily and comfortably in every working condition, the CMD/DW can be set up for operation in less than twenty seconds.

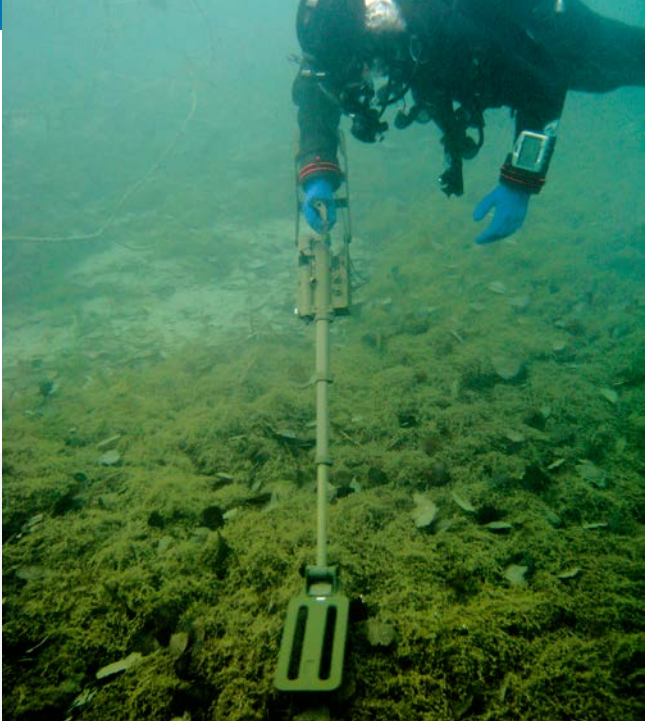
The Metal Detector offers the best combination of functional and operational characteristics: it provides the highest ratio between overall dimensions, detection depth and operational weight.

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

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

BALANCED, COMPACT, LIGHTWEIGHT DESIGN





EXCLUSIVE AUTOMATIC SOIL COMPENSATION SYSTEM

The CMD/DW 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.

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



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 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 Transport case: 475 mm x 350 mm x 175 mm	
WEIGHT	Metal Detector	800 g under water
	[batteries included]	2.75 kg on land
	Carry bag: 540 g	
	Transport case: 4 kg	
	Headphone: 170 g	
OPERATING TEMPERATURE	CMD/DW Detecting Set: 7 kg	
	-46 °C to +70 °C [land] From freezing to +70 °C [under water]	
STORAGE TEMPERATURE	-55 °C to +85 °C	
DIVING DEPTH	Certified in deep water down to 100 m 10 bar	
SET-UP TIME	Twenty seconds typical [batteries already in place]	
ACCESSORIES INCLUDED	90-260V~ power supply adapter for the built-in battery charger [for land use]. Ordering code: GSMD-ACPSA1	
	12/24Vdc power supply cable fitted with a vehicle cigarette lighter plug [for land use]. Ordering code: GSMD-DCPSA1	
	Headphone [for amphibious use]. Ordering code: GSMD-HP-DW	
	External loudspeaker [for amphibious use]. Ordering code: GSMD-EXTSPK-DW	

ACCESSORIES



GSMD-VBR VIBRATION SIGNALLING DEVICE [ordering code: GSMD-VBR]

- Plugs directly to the GSMD Headphone Connector
- No removal needed when Detector is folded
- No maintenance required
- It allows the operator to turn the internal speaker off when the volume knob is at the minimum
- Low Power Consumption
- Embedded 32-bit microcomputer
- Operating at Full Depth [down to 100 m]

GSMD-TPS TEST PIECES SET [ordering code: GSMD-TPS]

It includes various reference samples, designed to test the detection of samples at different depths. The kit is supplied complete with Certification of Conformity to the Primary Reference Sample.

CMD/DW DETECTING SET

1 TRANSPORT CASE

2 CARRY BAG

Carry bag in water resistant synthetic canvas [for land use]



3 METAL DETECTOR



4 HEADPHONE [for amphibious use]



5 OPERATIONS MANUAL and FIELD GUIDE



6 BATTERIES



7 METALLIC TEST PIECE



8 EXTERNAL SPEAKER



9 POWER SUPPLY for the built-in battery charger, with power cords [UL and CEE plug]



10 POWER SUPPLY CABLE for the built-in battery charger fitted with a car cigarette lighter plug



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