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CWD

LIGHTWEIGHT COMPACT WIRE DETECTOR

The **CEIA CWD** Lightweight Compact Wire Detector complements the **CMD detectors range**, providing overall superior performance in terms of **sensitivity**, **direction-independent detection**, **portability** and **reliability**.

- **EFFECTIVE DETECTION** (independent of wire orientation with respect to the Search Head) **OF:**
 - ▶ Command wires and connection wires of any diameter and type
 - ▶ Extremely thin up to large diameter wires
 - ▶ Shallow and buried wires
- 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



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.

DESCRIPTION

The **CEIA CWD** is a lightweight and portable device featuring the capability of **detecting command wires of any diameter and type with high sensitivity**, in conductive and non-conductive soils, including laterite and magnetite. The Wire Detector comprises a search head, a control unit, a telescopic pole and an elbow support all jointed together in a **one-piece foldable design** that allows the CWD to be operational in a very short time and easily carried everywhere.

Detection is independent of wire orientation with respect to the Search Head. In addition, the CWD does not require any manual calibration: optimum sensitivity is ensured over all types of terrain due to CEIA's **exclusive Automatic Soil Compensation System**.

The detector is manufactured in compliance with the ISO-9001 standard and has been designed to meet and exceed the relevant Military Environmental Standard most stringent operational detection requirements (**MIL-STD -810G**).

The detector is equipped with a **built-in Ni-MH battery charger** which allows the batteries to be recharged (in 3 hours max) without the need to extract them from the unit.

SPECIFICATIONS

PROMPTNESS	Switch-on time: 5 sec.	
	Soil Compensation: 16 sec.	
DIMENSIONS [mm]	SEARCH HEAD [W x L]: 140 mm x 350 mm	
	FOLDED : 390 mm x 160 mm x 85 mm	
	FULLY EXTENDED : 1300	
WEIGHT	CARRY BAG : 395 mm x 205 mm x 130 mm	
	DETECTOR [batteries included]: 2,25 kg	
	CARRY BAG : 600 g	
POWER SUPPLY	EARPHONE : 155 g	
	Battery	3 x 1.2V Ni-MH C cells - HR14
	Battery Life	8 h [continuous use]
	Battery Charge Time	3.5 h [built-in battery charger]
	Battery Cycle Life	2 years of daily use [\geq 500 cycles]
	External AC/DC Adapter	100-240 Vac [50/60Hz] - 25 W
PROTECTION DEGREE	IP68 [IEC 529]	
STORAGE TEMPERATURE	-55°C to +85°C	
OPERATING TEMPERATURE	-46°C to +70°C	
CONFORMITY	Complies with the international standards on radio interference and human exposure to electromagnetic fields	



TWISTED PAIR



MULTI-STRAND WIRE



SINGLE THIN WIRE

CWD DETECTING SET

- Detector
- Instruction manuals
- Batteries 1.2V Ni-MH, ANSI C
- Leg strap for the carry bag
- Plastic locking bolt for search head [spare]
- Earphone
- Hook/clip for earphone
- 10-m IED Wire Test Sample
- AC Power supply for the built-in battery charger, with power cords [UL and CEE plug]
- DC Power Supply Cable for the built-in battery charger fitted with a vehicle cigarette lighter plug



CARRY BAG



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