

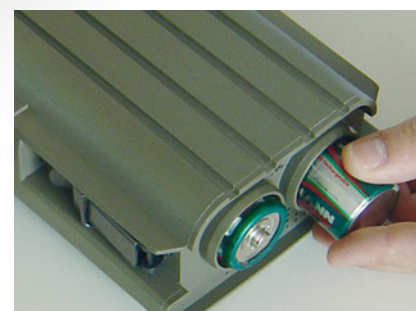
# CEIA EBC

## ENHANCED BATTERY CHARGER



### MAIN FEATURES

- › Universal AC/DC Power Supply Adapters
- › Fully Microprocessor Controlled
- › Fastest Charging Time even with Very High Capacity NiMH Batteries
- › Extremely Robust and Reliable
- › Complete Autodiagnostic with LCD Display and Acoustic Alarms
- › Battery Protection against Overheating
- › Wide Operating and Storage Temperature Range



BATTERY COMPARTMENT



The CEIA EBC Enhanced Battery Charger is characterized by an accurate control of the charging conditions in order to obtain the highest performance from the batteries together with the highest number of life cycles

## CEIA EBC ENHANCED BATTERY CHARGER

The MIL-D1 Metal Detector Set is usually powered by four 1.5V size D alkaline batteries which guarantee the operativeness for more than 65 hours [at 25°C] in continuous duty. Such a long operating time allows the use of the Metal Detector even in remote areas with a minimum requirement of battery replacement and a consequent strong reduction of the operating costs.

If required, the same unit can be supplied by means of four rechargeable batteries Ni-MH type. In this case CEIA proposes

the CEIA EBC Battery Charger, designed to optimize both the process and the recharge speed, in different climatic conditions and environmental temperatures. It can be supplied from both direct and alternating current [DC/AC].

The CEIA EBC is housed in an insulating enclosure made of nylon, reinforced with glass, and characterized by a very high robustness against external mechanical shocks and is completely insulated from humidity and other external agents.

### CEIA EBC SET



1 CEIA EBC UNIT

2 AC/DC POWER ADAPTER WITH INPUT CABLE FITTED WITH USA AND EUROPEAN STANDARD PLUGS

3 DC POWER SUPPLY CORD FITTED WITH CIGARETTE LIGHTER

### MAIN FEATURES

Universal AC/DC external Power Supply Adapter

Fully Microprocessor controlled

Messages through 8 characters LCD display  
Pre-Charge, Fast Charge and Trickle Charge built-in functions

Accepted rechargeable batteries: 4 x 1.2V NiMH from 7000 mA/h to 10000 mAh

Charging current: 2.5A max.

Charging time: 4.5 h max.

### BUILT-IN DIAGNOSTIC

Acoustical signalling	Batteries Not Inserted
	Batteries Under Charge
	Batteries Charged
	Fault
Visual signalling	Startup
	Batteries Not Inserted
	Batteries Under Charge
	Batteries Charged
	Wrong Polarity Detection
	Battery Temperature Out of Range
	Wrong Power Supply voltage
	Fault

### TECHNICAL DATA

Power Supply Input	100 ... 240 Vac - 47...63Hz
	25 W max
	12 ... 30 Vdc - 25 W max
Operative Temperature	0 ... 45 °C [32 ...113°F], according to the batteries specifications
Storage Temperature	Electronic Unit: -55 ... +75 °C [-67...167°F]
	NiMH Batteries: -20 ... +40 °C [-4 ... 104°F]
Relative humidity	0 ...95 % (without condensation)
Weight	950 gr [EBC unit without batteries]
	575 gr [AC/DC adapter with input cable]
	90 gr [DC power supply cord]
Overall dimensions [H x W x L]	215 x 150 x 80 mm [8.5 x 5.9 x 3.2 in]