MIL-D1®

STATE-OF-THE-ART DIGITAL METAL DETECTOR FOR GROUND SEARCH APPLICATIONS

NSN: 6665-15-1871766

FEATURE HIGHLIGHTS

- Effective detection of magnetic, non-magnetic and stainless-steel metal masses
- Accurate pinpointing of the target's position using a bitonal system and acoustic modulation proportional to the dimensions of the detected mass
- High discrimination capability for adjacent metal masses
- Compensation for mineralized and high natural metal content soils
- Static and dynamic detection independent of the speed of transit of the detector head
- Battery efficient technology for extended operational use
- Extremely high level of electrical and mechanical Reliability
- Operation monitored by a microcomputer-controlled autodiagnostic system
- Completely digital electronics, with in-field program memory upgrade capability
- Ease of use with minimum training time required

Light, ergonomic detection head designed for continuous use

MIL-D1®

Thanks to many years of in-depth research in the field of Metal Detection, CEIA has established itself as a primary international manufacturer of high-performance Ground Search Metal Detectors.

LEADER IN PERFORMANCE AND RELIABILITY

The MIL-D1 is a portable, high-sensitivity Metal Detector designed to detect magnetic and non-magnetic metals in all soils, including laterite and magnetite. The Metal Detector comprises a detection head, a telescopic handle, an electronics unit, a canvas carry-bag and a High Impact Polypropylene Case.

LIGHT, ERGONOMIC DETECTION HEAD

The detection head is light, and the wiring is designed to be protected from any possible damage. The electronics unit can be carried over the shoulder, attached to a belt using special hooks, or as an integral part of the telescopic handle.

EXCLUSIVE AUTOMATIC SOIL COMPENSATION SYSTEM

The MIL-D1 Metal Detector 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. Localisation of metal objects is optimised by a two-tone audible pinpointing system, which allows the position of the detected mass to be identified accurately.

The Detector is manufactured in compliance with the ISO- 9001 standard, and has been designed to satisfy the most stringent operational requirements for underground search applications.

CEIA provides complete support for technical and operational courses, given by certified personnel, either on site or at its own premises

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The CEIA MIL-D1® Metal Detector has obtained the highest marks in controlled comparative tests for:

- ➤ Detection
- ➤ Ease of operation
- ➤ Reliability
- ➤ Ease of maintenance

Operational tests on mineralised soils at the CEIA test site

Proprietary Engineering consisting of a powerful analytical engine designed exclusively by CEIA specifically for metal detection

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.

The teaching activities are backed up by full documentation, and are divided between classroom seminars and practical work in the field.

QUALITY MEANS SAFETY

Thanks to the extensive use of robotic and automated production systems, CEIA is able to offer to the commercial market equipment that satisfies military quality and reliability standards at extremely competitive prices.

ACCESSORIES

GSMD-FPK FIELD PROGRAMMING KEY

- Direct connection to the Headphone control unit connector
- Requires no external power source
- Device Updating time: ~ 3 min
- Unique design
- Very easy to use
- Most compact and rugged programming unit available
- Waterproof and reliable. No maintenance required
- Complete and accurate reprogramming of program memory and operational parameters
- Verifies automatically equipment model and compatibility

GSMD-TPS TEST PIECES SET

The Training Set includes various reference samples, designed to test the detection of samples at different depths. It is a versatile training tool for different detection techniques, and is also suitable for testing various metal detectors. The kit is supplied complete with Certification of Conformity to the Primary Reference Sample.

GSMD-TK TECHNICAL MAINTENANCE TOOL KIT

The Maintenance Tool Kit is a complete, self-contained tool kit designed specifically for MIL-D1 Maintainers. It includes all tools required for any maintenance and repair requirements. The strong, compact, watertight case allows the use of the Kit everywhere and in all conditions, so as to keep the device in perfect operating condition.

MIL-D1®

The detector is manufactured in compliance with the ISO-9001 standard and has been designed to satisfy the most stringent operational detection requirements.

The electronics unit can be carried over the shoulder, attached to a belt using special hooks, or as an integral part of the telescopic handle

TRANSPORTATION

View of the MIL-D1 inside its transport case

NATO NUMBER

MIL-D1: 6665-15-1871766
MANUFACTURER: A5681

TECHNICAL DATA

POWER SUPPLY	Types of batteries (4x), ANSI Standard, type D 1.5V Alkaline (LR20) 1.2V Ni-Mh rechargeable
BATTERY LIFE	Battery life at 20°C (default search program): - with alkaline batteries: ≥ 65 hours - with Ni-Mh (9000 mA/h) rechargeable batteries: ≥ 40 hours
	Battery charge indicator
METAL ALARM	Adjustable sensitivity
	Audible alarm with adjustable volume
DIMENSIONS	External diameter of probe head: 280 mm
	Handle to Search Head adjustable distance: from 400 to 1620 mm (head included)
	Electronics unit: 215 mm x 155 mm x 80 mm
	Case: 950 mm x 440 mm x 155 mm
WEIGHT	Probe head and telescopic handle: 1.6 kg
	Electronics unit: 1 kg (without batteries)
	Case: 7,7 kg
	Carry-bag: 1,1 kg
ENVIRONMENTAL	Storage temperature: -55 °C to +85 °C
	Operational temperature: -46 °C to +70 °C
	Meeting and exceeding the most relevant environmental Standards
LEVEL OF PROTECTION	IP68 (IEC 60529)
	Carry bag in water-resistant synthetic canvas

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