

MIL-D1/DS

DEEP SEARCH UNDERGROUND METAL DETECTOR

FEATURE HIGHLIGHTS

- Effective detection of magnetic and non-magnetic metal masses
- Ease of use with minimum training time required
- High Discrimination against shallow metal clutter
- Superior detection depth
- Accurate Localization
- Total immunity to environmental magnetic anomalies
- Static and dynamic detection independent of the detector's rate of advance
- Lightweight, ergonomic search probe for maximum comfort
- Extremely high level of electrical and mechanical reliability



VIEW OF THE MIL-D1/DS
INSIDE ITS TRANSPORTATION CASE



- Completely digital electronics, with in-the-field program memory upgrade capability
- Operation monitored by a microcomputer-controlled autodiagnostic system with audible warning signals

The **CEIA MIL-D1/DS Metal Detector** is an active EMI device based on transmission of an alternating, low-frequency magnetic field and on the variations introduced into this field by buried metal masses. The detector consists of a telescopic pole with a central section in aluminium and fibreglass extensions. The two probe-antennae which act as transmitter and receiver of the magnetic field are mounted at the ends of the extensions. Detection signals are provided by an audible tone and an LCD located on the front panel of the control unit.

The most significant features of the MIL D1/DS are the following:

- **high sensitivity**, useful for detecting metal masses at depth;
- **high discrimination** against shallow metal clutter;
- **compensation** for mineralized soils and **total immunity** to the effects of the terrestrial magnetic field;
- **high stability of its detection system**, which shows no drift over time or with variations in environmental conditions;
- **intrinsic reliability** and **extremely high resistance** to shock and mechanical stress, essential requirements for a long operating life.



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NATO NUMBER

MIL-D1/DS: N. 6665-15-1751105

TECHNICAL DATA

POWER SUPPLY	Types of batteries (4x), ANSI Standard, type D 1.5V Alkaline (LR20) 1.2V Ni-MH rechargeable (>7000 mA/h)
BATTERY	Battery charge indicator
METAL ALARM	Adjustable sensitivity Audible alarm with adjustable volume and visual LCD display
DIMENSIONS	External diameter of probe head: 11" (280 mm) Length of telescopic handle: 63" (1600 mm) Electronics unit: 8.46" x 6" x 3.15" (215 x 155 x 80 mm) Case: 37.4" x 17.3" x 6" (950 x 440 x 155 mm)
WEIGHT	Probe head and telescopic handle: 8.6 lb (3.9 kg) Electronics unit (including batteries): 3.5 lb (1.6 kg) Case: 17 lb (7.7 kg)
ENVIRONMENTAL	Storage temperature: -67°F to + 167°F (-55 °C to +75 °C) Operational temperature: -50.8°F + 149°F [-46 °C to +65 °C]
LEVEL OF PROTECTION	MIL-D1/DS : IP68 (IEC 529) Case in High Impact Polypropylene: IP68 (IEC529)