

# MIL-D1/DS

## DEEP SEARCH UNDERGROUND METAL DETECTOR

NSN: 6665-15-1751105

### FEATURE HIGHLIGHTS

- Effective detection of magnetic and non-magnetic metal masses
- High Discrimination against shallow metal clutter
- Superior detection depth
- Total immunity to environmental magnetic anomalies
- Static and dynamic detection independent of the detector's rate of advance
- Completely digital electronics, with in-field program memory upgrade capability
- Extremely high level of electrical and mechanical reliability
- Operation monitored by a microcomputer-controlled autodiagnostic system with audible warning signals

✓ Ease of use with minimum training time required



✓ View of the MIL-D1/DS inside its transportation case



# MIL-D1/DS

Designed for the accurate detection of deeply buried large metal masses, including unexploded ordnance, whilst discriminating against ground magnetic anomalies.



**The 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.



## 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: 280 mm Length of telescopic handle: 1600 mm 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: 3.9 kg Electronics unit (including batteries): 1.6 kg Case: 7.7 kg
ENVIRONMENTAL	Storage temperature: -55 °C to +75 °C Operational temperature: -46 °C to +65 °C
LEVEL OF PROTECTION	MIL-D1/DS : IP68 [IEC 529] Case in High Impact Polypropylene: IP68 [IEC529]
NATO NUMBER	MIL-D1/DS: N. 6665-15-1751105

## GSMD-GPS

**MODULE FOR ACQUIRING  
METAL DETECTOR AND  
GPS SIGNALS (optional)**



- Plugs directly to the GSMD Headphone Connector.
- Powered by the GSMD, no external battery required.
- No consumption when GSMD is turned off.
- Low Power Consumption.
- Embedded 32-bit microcomputer.
- 72-channel GPS /GLONASS/Beidou high sensitivity receiver.
- Up to 30 h data recording.
- Status indication by multi-color LED.
- High speed data download to a PC.
- Data integrity is assured by certification.
- Water resistant housing.