



NIITEK®/Minelab Handheld Dual Sensor (HDS-2)

Based on the NIITEK® proven breakthrough Ground Penetrating Radar (GPR) and Minelab's advanced Metal Detector (MD), the HDS-2 provides outstanding GPR and MD performance for countermine operations, battle area clearance, EOD spot inspection, IED detection and subsurface visualization. The advanced NIITEK® GPR provides unprecedented performance in the automatic detection and recognition of any buried target that poses a threat. When combined with Minelab's superior metal detection technology, the HDS-2 is capable of detecting all types of targets found in past and present conflicts. The HDS-2 combines dual, integrated sensors, advanced Automatic Target Recognition (ATR) Algorithms, and user-friendly software, all in a lightweight, portable, cost-effective package.



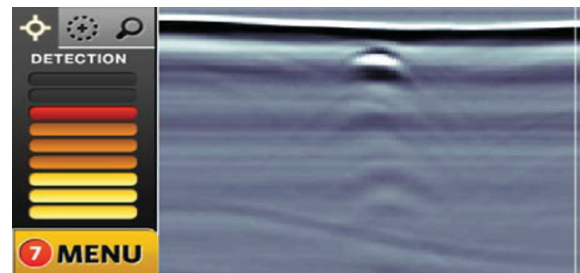
Features

- Breakthrough Pd/FAR* performance
 - High performance detection of varied threats, both traditional and emerging
 - Metallic/Low-Metallic/Non-Metallic
 - UXO/IED including carbon rods and wiring
 - AT and AP mines
- Dual sensors operating independently
 - 2 Channel Ground Penetrating Radar based on the proven NIITEK® technology
 - Single Frequency Continuous Wave Metal Detector
- Lightweight Dual Sensor Solution (~3.5kg) with battery
 - 2 Battery Options Rechargeable or Alkaline
 - System Endurance with Lithium-Ion Rechargeable: 4 Hours
- Real-time audio and video feedback
 - Distinct/Separable tones based on target detection via MD and GPR
 - Visual Display with real-time data rendering
 - 5" sunlight-readable WVGA LCD, 800x480 resolution
 - Touchscreen input
 - Night Vision Goggle Compatible (Optional Upgrade)
- Fast Start-Up Time: 60 seconds for power-on; 30 seconds for calibration
- Environmental: Designed to meet IP67 and survive a 1m drop
- Operating Temperature Range: -25C to +50C
- Maintains performance across differing terrain/soil without need of recalibration
- GPS Optional
- Metal target discrimination

* Pd = Probability of Detection, FAR=False Alarm Rate

Benefits

- Lightweight, portable detection systems
- High confidence countermine operations
- Optimized performance on changing and uneven terrain
- Rapid proficiency/ease of use which maximizes training time
- Users can "see" buried Explosive Threats



Intuitive Graphic User Interface

NIITEK
Before the First Step

MINELAB
ALL TARGETS ALL SOILS ALL CONDITIONS