



Applications for **Electronic Device Detector Searcher, Hawk XDi, Hawk 450XD NLJD**



» A non-linear junction detector (hereinafter "NLJD") is a device which can be used to detect junctions between two materials exhibiting dissimilar electronic or electrical properties. Examples of non-linear junctions are semiconductor junctions or junctions between dissimilar metals. Such detectors are widely used in counter surveillance operations and in electronic ordnance detection.



Key Applications

- » Detecting contraband cell phones in prisons, especially in walls and floors of the prisoner's living areas.
- » To detect explosives and IED's (improvised explosive devices) containing electronic components such as: special remote control receivers, transceivers; electronic fuses; electronic timers and delayed-action units.
- » Hidden arms cache detection.
- » Detect and locate surveillance (bugging) equipment.
- » Body search for security monitoring purposes.
- » Railway, airport and border security, checking parcels.

Prisons

Electronic contraband, specifically cellular phones, continue to pose serious threats within correctional facilities, allowing inmates to bypass communication security measures, creating risks that reach beyond prison walls. Prison authorities have reported that cellular phones have become more valuable inside a prison than drugs or other contraband, and are often referred to as the new prison cash because inmates can sell minutes or cellular phone use to other inmates.

Detection of IEDs

Regular explosions are posing serious threat to day-to-day life of citizens worldwide. In the recent past, land mines and explosives are detonated with the help of remote control and electronic timers.

The XDi has been successfully deployed by special forces, bomb disposal squads for EOD tasks in military operations for the detection of remote-controlled explosives. The XDi is suitable for all types of mine detection.





Detection of Buried Weapons

The system can be successfully deployed as well to detect a wide range of weapons such as: mines; hidden arms caches.

Industrial Espionage

Research shows that this is what happens to millions of businesses across the globe on a daily basis. In any number of areas, time-sensitive information such as planned takeover bids can, quite literally, be worth a fortune to those who can profit by the illicit knowledge.

Merchant banks, financial PR consultancies, lawyers, accountants and many other advisors will all be party to extremely important secret information - it only takes a bug in one boardroom for the whole operation to be in jeopardy.

Countermeasure searches can be monotonous, repetitive and stressful in certain environments; non linear junction detection is an extremely powerful search technique in addition to normal physical search procedures.

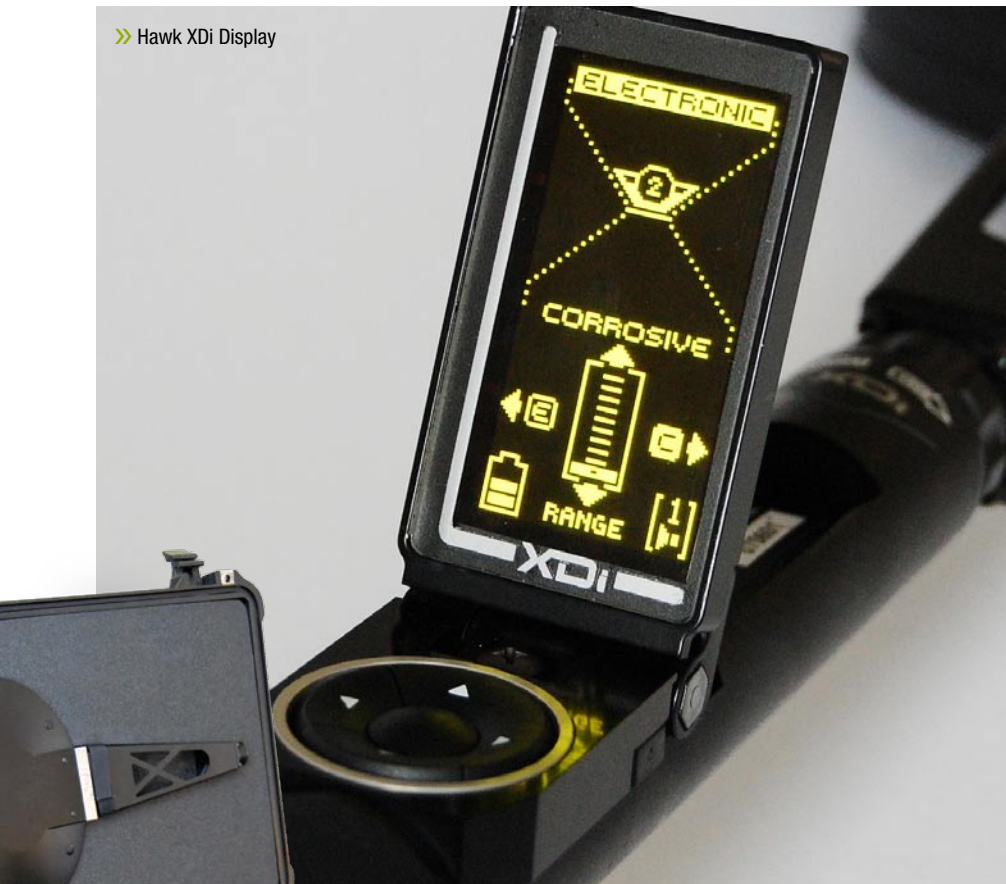
An NLJD will detect and locate any electronic device regardless of whether or not the device is powered. Security managers are increasingly using NLJDs to carry out routine sweeps of their premises for covert surveillance devices.

Body Search

Typical uses include body search for offensive weapons, crowd control, detection of body-worn surveillance equipment, cell phones etc.



>> Hawk XDi Display



>> Hawk XDi Accessories



Typical Advantages

- Can detect both active and non active devices whether the device is radiating, hard-wired or turned off.
- Gives both visible and audible alerts when there is a positive detection, is battery powered, weighs less than 2kg and is simple to operate.
- High Risk Search Capabilities.

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