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Non Linear Junction Detector



Advanced and light weight powerful Non Linear Junction Detector (NLJD).

The NLJD is available in a range of output powers 2W, 4W and 10W. An EOD variant is also available, which incorporates a metal detector for increased target detection and discrimination.

The search head is extremely light and extends up to 1 metre to reach the places that other NLJD products cannot. An ultra bright led display on the search head provides the information you need, right where you need it.

A metal detector can be added to 2W and 4W variants at additional cost.

STANDARD FEATURES

- Also available in Type Approved version – Advanced TA
- Audio and visual alerts show presence of electronic devices and strength of signal being returned
- Automatic power adjustment to prevent saturation of targets and increases efficiency of battery consumption
- Detects electronic devices regardless of their state; active, dormant or switched off
- Discriminates between electronic devices and innocent return signals
- Extendable lightweight search head, approximately 1kg for ease of use
- Features sophisticated signal processing to reduce false triggering
- Variable output power up to 10W to increase target detection and penetration into different substrates

APPLICATIONS

- Can be used to search floors, walls, ceilings and other areas of concealment including furniture, soft furnishings, curtains and clothing
- Companies, sweep teams, private investigators and security firms
- Customers include: Police, prisons, defence forces, corporate organizations, blue chip
- NLJDs are well suited for EOD and Counter Terror applications
- Use SB before meetings to check for illicit transmitters/recorders
- Used for detecting hidden electronic devices in buildings, offices, homes, cars and many other environments
- Used to search for contraband items in prisons and correctional facilities

SPECIFICATION

Transmitter

- Transmit Frequency: 867MHz to 872MHz
- Transmit channels: 20
- Transit resolution: 250 kHz
- Transmit Power: SB-2: 2W (33dBm)
- SB-4: 4W (36dBm)
- SB-10: 10W (40dBm)
- SB-EOD: 10W (40dBm)
- Modulation: Pulsed
- Transmit antenna: Circularly polarised patch, 4dBi

Metal Detector (Standard on WG-EOD)

- Frequency: 10 kHz
- Type: CW, induction balance
- Target detection: All metals including aluminium foil

Power

- Battery: Removable Li-Ion battery pack
- 10W and EOD version - 5 hours usage
- 4W version in excess of 8 hours usage
- 2W version in excess of 12 hours usage



SPECIFICATION

Receiver

- Receiver frequency: 1734MHz to 1744MHz, 2nd harmonic
- 2601MHz to 2616MHz, 3rd harmonic
- Sensitivity: -130dBm (both harmonics)
- Receive antennae: Circularly polarised patches, 3dBi

Unit MMI

- Display: 2.4" Colour LCD, bar graphs
- Audio: Integral Loudspeaker, headphone output, Geiger click

Mechanical

- Unit size: 20 x 23cm
- Search Head (NLJD) size: 22 x 17cm
- Search Head (NLJD & MD) 28 x 16cm
- Overall Weight: Approx. 3.5kg

