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WG 183 Non-Linear Junction & Metal Detector



The WG 183 Non-Linear Junction & Metal Detector is lightweight and will effectively locate concealed electronic eavesdropping and improvised explosive devices.

It has Non-Linear Junction capability combined with Metal Detection functionality.

It has an extendable monopod handle and an ultra-bright led display on the search head which provides operators with the information they require.

Applications

- Detect hidden electronic devices in buildings, offices, homes, cars and many other environments
- Check meeting rooms for illicit transmitters or recorders
- Suited for EOD and Counter Terror applications
- Search for contraband items in prisons and correctional facilities

Key Features

- Integrated metal detector
- Easy to use for quick deployment
- Long battery life with optional extra battery available
- Controllable output power to meet a range of target threats
- Detects electronic devices when active, dormant or switched off
- Proven output frequency for maximising detection of modern threats
- Audio and/or visual warning of threats
- Extendable search head reaches up to 1 metre
- Compact and ergonomically designed unit

Technical Specification

NLJD Transmitter

- Channels: 20
- Power: 10W(+40dBm)
- Frequency resolution: 250 kHz
- Frequency range: 867MHz to 872MHz
- Modulation: Pulsed
- Antenna: Circularly polarised patch, 4dBi

NLJD Receiver

- Frequency range:
 - 1734MHz to 1744MHz, 2nd harmonic
 - 2601MHz to 2616MHz, 3rd harmonic
- Sensitivity: -130dBm (both harmonics)
- Antenna: Circularly polarised patches, 3dBi

Metal Detector

- Frequency: 10kHz
- Type: CW, Induction Balance
- Target detection: All metal including Aluminium foil

Unit MMI

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

Power

- Battery: Removable Li-Ion battery pack up to 5 hours usage

Mechanical

- Unit size: 20 x 23cm
- Search head size: 28 x 16cm
- Overall weight: Approx. 3.5kg