



# Security Defence Systems

Plot No. 50, DIC, Industrial Area, Baddi, Solan (H.P)



Non Linear Junction Detector Model **COBRA NLD 09** is designed for search and detect various types of covert listening devices, RCIED. **COBRA** is capable of detecting almost any electronic appliance in any operational mode: active, stand-by, switch-off. The design of our devices consists in detection of radio microphones, microphone amplifiers, Dictaphones in premises (walls, floors, ceilings, furniture, etc.)

Excellent detection range, ERP up to 4W coupled with  $> -115\text{dBm}$  sensitivity. Dual Harmonic continuous wave (CW) OR Pulse transmission removes risk of missing a target due to sweeping too quickly, Light weight, balanced ergonomic design for ease of use. All cables are well secured giving added advantage in the field of operation.

- **Frequency** : Between 840 MHz to 915 MHz
- **Power out Put**: Less than equivalent to 4 watt.
- **Receiver has Rx frequency**:
  - **2<sup>ND</sup> HARMONIC BETWEEN** 1680 to 1830 MHz
  - **3<sup>rd</sup> harmonics** 2520 to 2745 MHz respectively.
- **Sensitivity** : More than  $-115\text{ dbm}$
- **Antenna** : High gain antenna
- **Display** : Visual display for 2nd and 3rd harmonics.
- **Control functions**: Volume functions Power selection
- **Output Audio** : With and without head phone
- **Test false alarm rate**: Less than 5%
- **Power Requirements Battery**: Rechargeable battery with 3 hrs operation times on single full charge. One spare battery provided. Battery having protection against reverse polarity.
- **Battery charger**: 180 to 240 V
- **Weight**: Operational weight in hand  $< 4.5\text{ kg}$
- **Operation conditions**: Operational temperature range is  $-5^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- **Humidity** is 90% RH
- **Activation**: The system will not activate any active radio controlled device in close proximity to search head.