



ORION™ NJE-4000

NON-LINEAR JUNCTION EVALUATOR

The ORION is a state-of-the-art Non-Linear Junction Detector for detecting hidden electronic devices. A Non-Linear Junction Detector uses electromagnetic energy to detect the presence of electronics, regardless of whether the electronic device is radiating, hard wired, or even turned off. The ORION quickly detects and locates hidden electronic devices and is designed for:

- Commercial security applications such as checking corporate boardrooms or offices for unauthorized or hidden electronics
- Searching secure areas for hidden or prohibited electronics
- Searching for contraband cell phones or other electronic contraband in prisons

Technical Advancements

- 1 **PATENTED FREQUENCY HOPPING FUNCTIONALITY** displays best response using multiple transmit frequencies across a wide operating band.
- 2 **ADVANCED DIGITAL SIGNAL PROCESSING ALGORITHMS** provides up to 18 dB increase in detection sensitivity.
- 3 **MANUAL OR AUTOMATIC POWER CONTROL** ranges from 14 milliwatts to 1.4 watts PEAK power Effective Radiated Power (ERP) (High Gain model available).
- 4 **SYNTHESIZED TRANSMITTER** provides frequency stability and agility to automatically search for clean operating frequencies (880–1,005 MHz; 902.2–927.8 MHz for USA).
- 5 **CIRCULARLY POLARIZED TRANSMIT AND RECEIVE ANTENNA** removes risk of missing a threat due to incorrect antenna polarization.
- 6 **AUDIO ALERTS** using wired or wireless headphones.



The patented technical advancements in the ORION are not paralleled in any other product in the world.



Ergonomic Advancements

- 1 **ANTENNA MOUNTED DISPLAY** tilts putting response information in line-of sight with the target.
- 2 **BALANCED, LIGHTWEIGHT DESIGN** with integrated transceiver, extension pole, antenna, and display.
- 3 **OPERATIONAL WEIGHT** is 3.7 lbs (1.7 kg). Carrying case is slightly larger than a briefcase.
- 4 **MINIMAL SETUP TIME (approximately 25 seconds)** including power-up and self test. Telescopic pole simply unfolds and extends; there are no pole sections or cables to connect.
- 5 **ALL TRANSMIT AND RECEIVE SIGNALS** are multiplexed onto a single concealed cable eliminating assembly and tangled cords. Wireless infrared headphones eliminate audio cables.
- 6 **REMOVABLE RECHARGEABLE BATTERIES** are included with an external charger. (Four batteries; 2.5 hours run time per battery).



ORION's tilting antenna-mounted display puts signal response information in the same line-of-sight as the target area being swept, allowing attention to remain focused on the target.

* High Gain ORION™ available

For specialized applications (restricted sale). Contact REI for more information.