

Non-Linear Junction Detector DX-6



Model : E10108

This device is designed to detect concealed electronic devices containing semi-conducting components. This device allows inspection of building fabric, walls, furniture ect., and detection of covert electronic surveillance devices (radio microphones, microphone amplifiers, tape and digital recorders etc.) in different operational modes: in a transmission mode, switched off or in stand-by mode (for remote controlled devices). Operational Principle:• The electronic devices containing semi-conducting components (diodes, transistors, computer chips etc.) react to high frequency signals transmitted by non-linear junction detectors (NLJD), reradiating the energy back on doubled and tripled frequencies of the flooding signal. The response transmitted back from electronic components is received and analyzed by NLJD. • The same effect is also true of some other materials - so-called 'false' semi-conductors. Typical examples of such materials are oxidized metal items and metal-to-metal contacts. • However, the spectrum of the signal reradiated from electronic components is different from that of 'false' semi-conducting items. For example, electronic components return more 2nd harmonic of the flooding signal, but the 'false' semi-conductors return more 3rd harmonic. • Using NLJDs for the spectral analysis of returned signals allows the determination of whether or not the detected target is electronic, even when near other objects with similar properties. Features:• The high energy potential of the detector (output power-to-receiver sensitivity ratio ~ +146 dB), provides for effective detection of electronic devices inside heavy building constructions including on the rear side of reinforced walls. • The device provides a high speed sweeping capability • The differentiation between electronic devices and 'false' targets is available by using the following advanced algorithms provided by the detector: the simultaneous receiving of both 2nd and 3rd harmonics of the flooding signal; the visual and audible indication of the levels of responses; the signal's curve extraction algorithm. • The very narrow-beam antenna allows precision localization of detected targets • The device's receivers are protected against interference from GSM-1800 cellular phone signals.

Price : € 14.494,96

Special price : € 12.999,00