Multi-Frequency Electronics Detector

NL-0810

The NL-0810 is a state-of-the-art Discrete Electronics Circuit Detector from Elvira Production of Russia. This new highly sensitive product is capable of pin-pointing an electronic device on the ground's surface at distances over 20 meters and good depths within the soil. An ergonomic handle capable of being held by an ROV using a robotic arm means that the safety of field officers is not compromised. This unit operates with the following frequencies.

780 MHZ, 806MHz, 845MHz & 897MHz being operated in pulse mode for 150 nanoseconds at a maximum of 0.6W. At a minimal operational weight of less than 1.4kg (including batteries) it is very convenient to operate for long periods of time. A fully charged battery set will perform for 2.5 hours. With its simple user interface, the equipment is easy to use and responses are easy to understand. The equipment comes with a laser pointer which accurately points to the hidden device. At 10 feet, the accuracy of the search is better than 1 foot in either direction. With high gain probing and receiving antennae as well as the RF discrimination circuitry, the equipment typically clears away the "clutter of signals" that typically disturbs other similar equipment.

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Typical scenarios include searching for electronics in waste-bins and other public places from a distance. In the picture below can be seen a user pointing at a truck a distance of 12 meters away underneath which an amplifier circuit typically used in IED construction has been placed. With the Bluetooth earphones, it may be operated in silent mode.

Technical Characteristics:

- Four pulse frequencies at maximum of 0.6W
- Gain of probing and receiving antennae not less than 12dB
- Operational weight 1.4kg Maximum
- Environmental: -10°C to 55°C at RH95% non condensing
- Pressure of 450 -800mm of Mercury
- IP-67 construction
- Power: Two Rechargeable Li-Ion Batteries (3.87V each)

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