

Artemis non linear junction detector

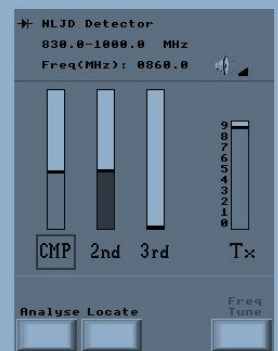
Continued improvements in technology have enabled electronic eavesdropping devices to be made smaller with better transmission and improved audio quality. Some are even capable of being switched off remotely by the user, making detection of the device extremely difficult as most electronic eavesdropping countermeasures equipment detect the active transmission signal of the eavesdropping device.

Audiotel International has pioneered the development of Non-Linear Junction detectors (NLJD) for over two decades, consistently producing market leading products in this field. This technology is capable of detecting electronic components used in the manufacture of eavesdropping devices and does not need an active signal to be present in order for the detection to take place.

Artemis, the latest in the successful range of NLJD products from Audiotel International, offers a ready to use solution that is both lightweight and user friendly. Operated using a simple touch screen mounted on the unit, Artemis is able to distinguish between electronic components and other metallic objects, thus ensuring accuracy as well as peace of mind. Combining ease of use, Digital Signal Processing techniques and optimised antenna design mean Artemis offers the very best solution for detecting hidden electronic devices even if the devices are switched off.

User Benefits

- Simple three step method of operation gives reliable and accurate detection, identification and location of hidden electronic devices
- Utilises Digital Signal Processing (DSP) techniques for advanced target identification
- Discriminates between electronic and metal targets to maximise search effort
- Ergonomic design for comfortable operation
- Lightweight and easy to use
- Unique extending head mechanism
- Compact for easy transportation
- Portable battery powered operation



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Artemis

non linear junction detector

Technical Specification

Transmitter

Frequency range	EU band: 869.6MHz, FCC band : 902.2MHz – 927.8MHz 830MHz – 930MHz (user selectable, 100kHz resolution)
Power	Adjustable between 1W(+30dBm) to 2mW(+3dBm)
Transmit mode	Pulsed

Receiver

Frequency range	1660MHz – 1860MHz (2 nd harmonic) 2490MHz – 2790MHz (3 rd harmonic)
Sensitivity	-125dBm for 5dB S/N

Search Head

Antenna	Circularly polarized transmit and receive
Enclosure	Single integrated, pivoted enclosure with concealed cable runs
Reach	1m from hand grip, 1.4m fully extended

Outputs

Display	Colour, TFT touch sensitive display for received signal bar graphs, spectral displays and locate displays
Audio	Internal loudspeaker and headphone socket

Power

Battery	Internal Li-Ion rechargeable pack gives over 4 hours operation
Charger input	External AC/DC adaptor, 12v @4A universal input
Battery pack	2 x Li-Ion D-cell rechargeable

General

Unit size	0.68m
Unit weight	< 3kg
Environmental	Operating temperature range +5degC to +35degC (benign office environment)
Approvals	EN300-220, EN300-330, EN61010 (869.6MHz version)

Warranty

Artemis comes with a return to base warranty against defective materials and workmanship for a period of 2 years from delivery.

Technical Support Group

The Audiotel Technical Support Group (TSG) can be contacted during UK office hours on:

T: +44 (0) 1536 266677
F: +44 (0) 1536 266711

or via the Contact Us page on the Audiotel website.

Core UK office hours are (GMT):
Mon.-Thur.: 09:00am to 5:00pm
Fri.: 08:30am to 4:00pm

Training

Audiotel is able to offer full training in the operation of our products together with general counter measures training and seminars.

Due to our policy of continuous improvement, all specifications are subject to change without notice.

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