



Non-linear Junction Detector



Brief introduction

C4I-801 is a non-linear junction detector. It can detect any electronic equipment hidden in walls, floors, ceilings, lamps, furniture or containers. Whether these electronic devices are transmitting signals or not, they are alerted by display, vibration and sound prompts, so that the detectors can focus on the hidden targets.

Technical Principles:

Non-linear junction detector emits S-band fundamental wave to the target area or object, and the receiver captures the second and third harmonics generated by the target object. Artificial intelligence algorithm is used to analyze the harmonic law, so as to detect and identify the electronic equipment with non-linear junctions.

Application scenarios:

It can be widely used in government, public security, prison, justice, army, education examination, business security and personal privacy protection, etc. Business Safety: Detecting unauthorized electronic devices, such as listening-in device, mobile phones and devices with SIM cards, hidden in company board rooms or secret offices;

Public Safety :

Detecting electronic devices hidden or prohibited from use in safe areas, such as detonating devices, remote controllers, etc.

Personal Privacy Protection: Hidden cameras and surveillance devices such as recording pens, cameras, etc. in residential buildings and hotels.



Product highlights:

High positioning accuracy: The product uses 2400MHz radio frequency detection technology with high precision positioning characteristics.

High semiconductor recognition ability: the product built-in spectrum analyzer supporting second and third harmonic detection can quickly and effectively identify devices containing semiconductors.

High Sensitivity: Especially for SIM card devices with high sensitivity, to ensure that secrets, mobile communications equipment can be quickly detected.

Low false alarm rate: built-in nondestructive detection algorithm greatly improves the detection capability, and the false alarm rate is very low.

High Safety and reliability: meets the requirements of electromagnetic radiation and absolute safety to human body.

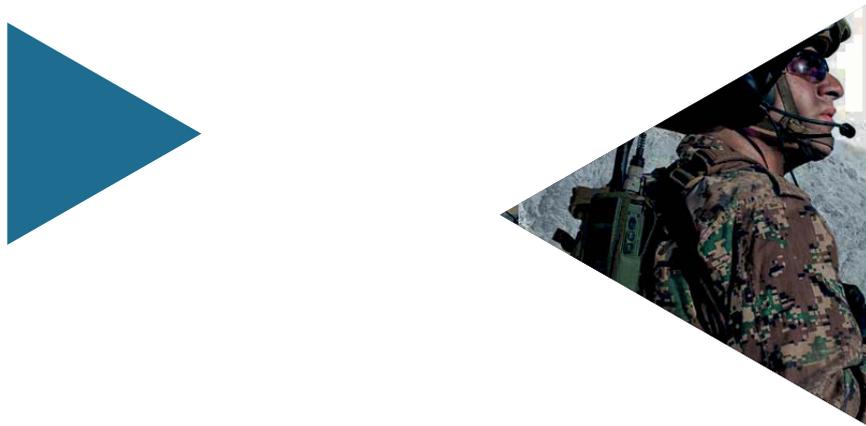
Flexible operation: support automatic transmission power and manual mode selection, easy to operate manually

Friendly Man-machine interface: support OLED visual graphical interface, vivid display of power emission level and second and third harmonic graphics, easy to operate.

High cost performance: with the world most cost-effective, cost-saving and excellent performance.

Product Specifications:

parameter	Technical index
Product working frequency band	2400MHz
working voltage	7.4V
frequency range	2.404 GHz - 2.472 GHz
Receiving 2nd~3rd Harmonic Range	4.808 GHz-4.944 GHz, 7.212 GHz-7.416 GHz
Pulse mode transmit power (maximum)	0~4W (ERIP)
Power Control	Manual or Auto control
Receiving sensitivity	Less than -140dBm
Battery Working Time	4H
Battery type	Replaceable lithium battery,
Charging time	2.5H
Interactive interface	LCD Displays Received Harmonic Signal Intensity
	Audio prompts are supported and headphones can be connected.
	Supporting Vibration Tips
Detection distance	GPS module: 300-500mm Mobile phone: 150-220 mm Secret recording equipment: 90-120mm
Product size	750(L)*114(W)*108mm(H)
Outer box size	700(L)*330(W)*180mm(H)
Product weight	1.6kg
working temperature	-30C ~45 C
Working humidity	No more than 92%, no condensate



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