



Brief introduction

It can detect any electronic equipment hidden in walls, floors, ceilings, lamps, furniture or containers. Where these electronic devices are transmitting signals or not, they are alerted by display, vibration, and sound prompts, so that the detectors can focus on hidden targets.

Usage scenarios of Nonlinear Junction Detector

- ▶ **1. Government Secrecy Department**
 State government organs such as public security, justice, prisons, education, troops, large-scale central enterprises and secret-keeping units have very strict requirements on information security and leak prevention. Prior to the major meetings, the secret-keeping departments must conduct security tests on high-level conference rooms, head leader's meeting offices, foreign guests' reception rooms and secret-keeping places, so as to prevent the hiding of illegal equipment such as eavesdropping and secret shooting from being inappropriate places. Findings eventually lead to the leakage of conference information, major confidential information and technology, and irreparable economic losses to the state and units.
- ▶ **2. Security Inspection of Large-scale Activities**
 In order to ensure the personal safety and information security of politicians, business leaders and participants, the organizing committee needs to appoint a professional security inspection team to conduct security inspection in all places ahead of time and strictly block them. Nonlinear Junction Detectors are used to detect eavesdroppers and secret photographs equipments, recording equipments, remote control explosive devices and other illegal equipments to ensure the safety of the activity site.
- ▶ **3. Confidentiality Inspection of Commercial Organizations**
 Large commercial organizations such as listed companies, multinational corporations, trade associations and so on, in order to ensure that business secrets are not leaked, need to carry out strict information security checks on internal high-level conference rooms, chairman's offices and business negotiation venues, to prevent mobile phones, eavesdroppers and other SIM card devices from hiding in the wall or hard-to-find corners, and to ensure that important meetings and meetings are being held. Big business decision-making, business negotiation and other activities are not eavesdropped, not recorded, not monitored, to ensure the safety of business secrets information.
- ▶ **4. Cheating Prevention In Education Industry Examination**
 In places such as college entrance examination, high school entrance examination, civil servant examination and college marking, non-linear junction detectors can be used at the entrance of the examination room to prevent cheating devices from being brought into the examination room by hiding in the examinee's ears, glasses or other parts of the body, so as to ensure the fairness and fairness of the open selection.

Product Characteristics

- ▶ **Strong semiconductor detect ability:** Support the second and third harmonic signal strength detection, and can quickly and effectively identify devices and devices containing semiconductors.
- ▶ **High sensitivity:** Built-in high-gain antenna, large detection distance, especially for SIM card devices with high sensitivity, to ensure that secrets, mobile communications equipment can be quickly detected.
- ▶ **Low false alarm rate:** The built-in nondestructive detection algorithm greatly improves the detection ability, and the false alarm rate is very low.
- ▶ **Safety and reliability:** The characteristics of the equipment meet the requirements of electromagnetic radiation and are absolutely safe for human body.
- ▶ **Flexible operation:** The interface is simple and intuitive, with few buttons and easy manual operation.
- ▶ **Friendly interaction interface:** Support visual graphical interface, vivid display of power emission level and second and third harmonic graphics, easy to operate.
- ▶ **High cost performance:** The most cost-effective, cost saving and excellent performance in the world.



Nonlinear Junction Detector **ZD-JD007** Brochure



Product specification

Parameter	Technical index
Product working frequency band	2400MHz
Working voltage	7.4V
Frequency range	2.404 GHz - 2.472 GHz
Receiving 2nd~3rd signal Harmonic Range	4.808 GHz-4.944 GHz, 7.212 GHz-7.416 GHz
Maxium transmit power	4W (EIRP)
Receiving sensitivity	Less than -135dBm
Receiving dynamic adjustable range	30dBm
Battery Working Time	4.5h(Typical mode) (Typical mode means 30% transmitting power,low receiving gain,and no vibration)
Battery type	Lithium battery
Charging time	3.5H/Block Through Type-c interface
Interactive interface	The screen displays the intensity of the received harmonic signal Audio prompts are supported and headphones can be connected. Supporting Vibration Tips
Detection distance	TF card:120-200mm Mobile phone: iPhone7:80-120mm Huawei P30: 150-200mm
Product size	750 (L) *114(W)*108mm(H)
Outer box size	700 (L) *330(W)*180mm(H)
Product weight	1.5kg±0.05kg
Working temperature	Optional battery : -30°C~55°C
Working humidity	No more than 93%, no condensate



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