

# FD-HB Harmonic Radar (Nonlinear Node Detector)

Nonlinear node detector receives the harmonic waves. So, the effective target of nonlinear node detector is nonlinear target with harmonic radiation characteristic. The harmonic wave of semiconductor is mainly the second harmonic wave, while the harmonic wave of metal junction is mainly the third harmonic wave.

Therefore, nonlinear node detector can detect a variety of electronic equipment, such as electronic mine, time bomb, radio, hidden listening device and camera etc. It can be widely used in national defense, public security, transportation, Prisons and other correctional facilities where the illicit importation of mobile phones represent a number of security threats.

## Features :

Non-contact

Quick response

High sensitivity

Low false alarm rate

Portable

Automatic Tx power control



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## TECHNICAL SPECIFICATIONS

Tx frequency: 3250MHz-3350MHz

Transmit channels 200

Transit resolution 500kHz

Transmit Power Variable:+10dBm to +40dBm

Modulation: PulsedTransmit

Average Tx power: 150mW max

Continous working time :  $\geq 4$  hours

Antenna polarization : Circular polarization

Display: LED

Power supply: DC 7.4V lithium battery

Power consumption:<5W

Dimensions:280×184×50m

Weight:1.5Kg

