

# Electronic Counter-Measures

## R V D

### Pocket RF detector with vibrator

RVD is a multipurpose sensitive radio frequency detector namely suited for the fast detection of all types of wireless listening devices. Simple attendance and optimized user parameters make the RVD detector very useful for all people handling with confidential information.

The main function of RVD is detection and localization of active wireless bug transmitters. Special compensated detection system gives the user instant information about the real RF field intensity. The adjustable 3-level frequency filtering allows elimination of strong short wave broadcasting or local VHF FM transmitters. The demodulated signal can be monitored in connected earphones. In the PROTECT mode the vibrator gently informs about increase of the RF field (activation of a bug or other wireless device). Comparing with other similar detectors the 3-level selectable RF filtering allows detection of various devices undetectable by commonly used wide band detectors.

In the PROTECT mode the intensity of local RF background field is stored (separately in 3 frequency segments) and later automatically compared with current signals. If any at least 3 dB stronger signal appears, one of the three ALARM LEDs lights. The user is also informed if the strongest signal is in HF or VHF or UHF frequency band (green, yellow, red LED). If the VIBRATOR is ON the vibrations alert the user and in addition number of vibration pulses inform about the frequency of the NEW SIGNAL.

RVD is a small, light, pocket device optimized for fast check of rooms, offices, flats, cars, mobile telephones, suspicious subjects etc. The size similar to a small GSM phone and the mechanical stability insured by the metal casing make the RVD an ideal detector for both TSCM professionals and all VIPs.

Namely the **bankers, stock speculators, important businessmen, managers** and other persons who could suffer losses by information leakage should know, that the **wireless bug** is the simplest, cheapest, juridically hardly provable device, it means the wireless bug is the **most common form of eavesdropping**.



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**next page: RVD application & specification**

## RVD application

1. Detection and localization of radio bugs
2. Fast checking of mobile phones against eavesdropping
3. Checking of electronic and other devices against RF attack
4. Covered usage with vibration alert
5. Detection of digital transmitters
6. Detection of hopping transmitters
7. Detection of spread-spectrum transmitters
8. Detection of pulse and memory bugs
9. Measurement of parasite RF radiations
10. Automatic permanent anti-bug room protection
11. Function testing of various small transmitters

## Technical specification

- frequency range: 0.2 MHz to 4000 MHz
- selectable filtering:  
(mode: MEASURE) LED HF 0.2 to 4000 MHz  
LED VHF 40 to 4000 MHz  
LED UHF 300 to 4000 MHz
- typical sensitivity: 0.1 uW at 400 MHz from 10 cm
- alarm gate: + 3dB against stored background
- frequency measurement:  
(mode: PROTECT) LED HF 0.2 to 45 MHz  
LED VHF 40 to 350 MHz  
LED UHF 300 to 4000MHz
- time of background write: 13 sec
- battery low indicator: below 7.2 V
- battery: 9V (model 6F22) or 9V accumulator
- size: 121 x 58 x 22 mm
- weight: 170 g with battery
- average current consumption: 6.5 mA
- audio output of demodulated signal: standard EARPHONE
- vibrating and optical alarm signaling