

ULTRA-COMPACT POCKET WIDEBAND BUG DETECTOR



The simple to operate Ultra-compact Pocket Wideband Bug Detector (0 - 8 GHz) features a broad frequency detection range with ultrahigh sensitivity that displays any detected signal on the built in OLED (Organic Light Emitting Diode) display.

The **BUG DETECTOR** is designed to detect and locate signals from the very latest covert listening, tracking, cellular, and video devices.

With the latest hardware design, the BUG DETECTOR has unrivalled sensitivity for its size and can display detected frequencies up to 6 GHz.

The CS181 also features audio demodulation to allow the user to listen to any detected signals using the supplied earphones.

For ultimate durability, the BUG DETECTOR is housed in a machined aircraft grade aluminum enclosure.

A 20 segment display indicates signal strength along with an audio tone, enabling operators to pin-point the signal source precisely.

Should it be desirable to check for devices without alerting others, the BUG DETECTOR can be set to silent vibrate mode.

If any signals are detected the unit will pulse vibrate silently, allowing you to keep it concealed on your person, in a jacket pocket, for example.

The built-in signal strength meter (with optional audio beep tone) enables the precise source of the signal to be located with ease.

The frequency of the detected signal can be seen simultaneously and the Burst Detect feature ensures short bursts such as those from GPS trackers or other burst devices will not be unnoticed.

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KEY FEATURES

- Ultra Wide Frequency response 0 - 8 GHz
- Built in Frequency Counter 0 - 6 GHz
- Ultra Sensitive - Detects signals from up to 10 metres
- Digital 'Burst' Signal Detect for GPS Trackers etc
- OLED Display for ultimate clarity in all lighting conditions
- Audio Demodulation - Listen to detected signals
- Silent Vibrate & Beep Modes for Signal Strength
- Machined Aluminum enclosure for ultimate durability
- In-ternal Lithium Battery Pack



SUPPLIED ACCESSORIES

- Flexible Multiband Whip Antenna
- 5V DC Charger - 110V to 240V AC input (Auto Switching) with International Adaptors
- Earphones
- High Protection Carry Case

TECHNICAL SPECIFICATIONS

Typical Performance Characteristics - at 20 degrees C

Antenna Connector MCX Socket - 50 Ohm

Input Frequency Range 1MHz – 8000MHz (8 GHz)

Sensitivity 100MHz -42 dBm

200MHz -42 dBm

500MHz -42 dBm

1GHz -44 dBm

2GHz -46 dBm

5GHz -42 dBm

8Ghz -40 dBm

Frequency Counter 100 Mhz to 6000MHz (6 GHz)

Demodulation Sensor for 50mW Audio -30dBm (measured at 500MHz 50% AM 1kHz)

Audio Frequency Response 400Hz – 5kHz +/-2dB

Display OLED High Contrast Graphic Display

Battery Internal 3.7V Li-Ion rechargeable

Operating Duration –6 hours

Charge Time – up to 4 hours

Operating Temp Range -15 – +50 degrees C - Relative Humidity < 90%

Dimensions 126 mm x 65 mm x 25 mm

Weight 200 g – Main Unit

Signal Processing and Control RISC Based Microcontroller