Professional Digital Pocket Bug Detector (PRO7000FX)

The PRO7000FX packs all the necessary features of a Professional RF (Radio Frequency) Detector: Ultra Wide Frequency Range (0 to7200 MHz), High Sensitivity, 10 Segment Bar-graph display and Audio Confirmation.

FEATURES

- Detects both Digital & Analogue Signals

- Ultra Wide Frequency response 7200MHz (7.2GHz)

- Built in Frequency Counter (0 to 2560 MHz)

- Intelligent 'Digital' or 'Analogue' Indicator to determine signal type

- Digital 'Burst' Signal Detect for Burst/GSM/3G/GPS Devices

- 10 Segment Signal Strength Meter

- Ultra High Sensitivity to locate even the weakest signals

- Backlit LCD Display for use in all conditions

- Audio Demodulation

- Silent Vibrate & Beep Modes for Signal Strength

- Internal Li-Ion Battery Pack and Mains Charger

10 Segment Signal Meter

Once a suspect signal is detected its signal strength will be displayed with optional audio beep tone to help you pin point the signal source. The more LEDs that illuminate, the stronger the signal being detected, enabling you to pin-point the precise location of a transmitter.

Silent Vibrate & Beep Modes for Signal Strength

The PRO7000FX can also be set to silent vibrate mode for ultra discreet or concealed use, in a jacket pocket for example. With the supplied earphones connected, the signal can then be demodulated and heard to confirm the presence of hidden microphones.

Built in Frequency Counter (0 to 2560 MHz)

It also features a frequency counter that can display the frequency of a detected signal (0-2560 MHz) to quickly and reliably establish what kind of signal is present whilst performing a counter- measures sweep.

Digital or Analogue Indicator

Once a signal is located it is then processed by the intelligent software algorithms of the PRO7000FX to determine whether a signal is Analogue or Digital. These features allow fast elimination of innocent signals from a sweep. All this information is displayed on the customised back-lit LCD display which can be clearly viewed in all lighting conditions.

Digital 'Burst' Signal Detect

The 'Burst Detect' feature helps to locate the latest digital devices that only transmit momentarily and can therefore be easily missed using conventional bug detectors. Such devices include GPS Trackers and GSM (Mobile phone) based devices where a 'Burst' signal or SMS (Text Messages) are sent momentarily. The PRO7000FX will alert you if a device has transmitted within the vicinity even for just a fraction of a second.

Battery Pack and Mains Charger

The PRO7000FX has an internal Lithium-Ion battery pack and uses an intelligent charger system to ensure the battery remains in top condition for the most demanding situations. The whole unit is contained within a machined aircraft-grade aluminium enclosure for ultimate performance and durability and supplied in a portable carry case for further protection and portability.

SUPPLIED ACCESSORIES

- Semi-Rigid Wideband Whip Antenna
- Flexible Wideband Whip Antenna
- Earphones
- 9V DC Charger - 110V to 240V AC input (Auto Switching) with International Adaptors
- Protective Carry Case

TECHNICAL SPECIFICATIONS

Typical Performance Characteristics - at 20 degrees C

ANTENNA INPUT	
Connector	MCX Socket - 50 Ohm
Input Frequency Range	1MHz – 7200MHz (7.2GHz)
Sensitivity 100MHz	-47dBm
200MHz	-47dBm
500MHz	-46dBm
1GHz	-41dBm
2GHz	-29dBm
5GHz	-8dBm
7.2GHz	-3dBm
Demodulation Sensitivity for 50mW Audio	-30dBm (measured at 500MHz 50% AM 1kHz)
Frequency Response	400Hz – 5kHz +/-2dB
INSTRUMENT DISPLAY	
Type	LCD STN Backlit
RF Signal Strength	10 element bar graph
RF Carrier Frequency	2560.0MHz (2.56GHz) maximum
INTERNAL AUDIO AMPLIFIER	
Output Power	0.25W
Frequency Response	300Hz – 15kHz +/-1dB
Headphone Connector	3.5mm Jack
MISCELLANEOUS	
Internal Battery	7.2V 650 mAH Li-Ion rechargeable
Operating Duration **Fully charged battery**	8 hours
Charge Time – using supplied charger	3 hours maximum
Operating Temperature Range	-10 – +50 degrees C
Relative Humidity	< 90%
Dimensions	114mm x 69mm x 25mm
Weight	245 g
Signal Processing and Control	RISC Based Microcontroller