Multifunctional Detection device
NEW! ST-500 "PIRANHA"

Portable new generation multifunctional device ST-500 PIRANHA is designed to detect various types of active eavesdropping devices, which transmit information using radio channel, wires and infrared channel.

Features

- Detection and localization of radio transmitting eavesdropping devices;
- Identification of digital protocols of detected radio signals: GSM, CDMA, Bluetooth, LTE, Wi-Fi;
- Identification of base station signals and mobile digital communication devices;
- Detection and localization of active wired eavesdropping devices;
- Activation of electret cable microphones by applying bias voltage in-line;
- Detection and localization of eavesdropping devices, which are transmitting information in the infrared range.

FUNCTIONALLY THE DEVICE CONSISTS OF FOUR DETECTION CHANNELS.

1. **SELECTIVE HF DETECTOR** - for detecting of analog and digital (using GSM, LTE, Bluetooth, Wi-Fi standards) radio transmitting eavesdropping devices in the frequency range of 20-6000 MHz;
2. **IR DETECTOR** - for detecting of IR transmitters (eavesdropping devices that use infrared frequency band to transmit the information);
3. **WIRED RECEIVER** - for detecting of high-frequency signals of eavesdropping devices that transmit information via power and low-current wire lines in the frequency range 100 kHz - 180 MHz;
4. **LOW FREQUENCY AMPLIFIER** - for detecting of the low-frequency signals of eavesdropping devices.

ST-500 PIRANHA allows analyzing detected signals in spectrum analyzer and oscilloscope modes. The device is controlled by using a convenient 12-button keyboard. Connecting the device to a PC and using the original software significantly increases the search capabilities of the device.
The interface of the device is simple and intuitively clear. During development of ST-500 PIRANHA the long-term operating experience of previous modifications of the PIRANHA device has been taken into account.

Specifications

SELECTIVE RF DETECTOR:	
Operating frequency range, MHz	20-6000
Bandwidth, MHz	1,20
Scanning speed, GHz / sec	18
Minimum level of detectable signal, dB	-70
IR DETECTOR:	
Spectral range, micron	0,75...1,1
Angle of view, degree	± 20
Minimum detectable power, W / Hz ½	10-13
WIRE RECEIVER:	
Working frequency range, MHz	0,1-180
Scan time of the whole range, sec	2
Minimum detectable signal, dBm	-50...-75
LOW FREQUENCY AMPLIFIER:	
Frequency range, Hz	20-25000
Gain control range, times	1,2,5,10,20,50,100
Maximum amplitude of the input signal, V	±60(DC), ±1(AC)