

Combined Search Device

NEW! ST-600

The combined search device ST-600 is designed to detect hidden electronic devices and trace cable lines.

Application

ST-600 can be used in combination with other detection devices series ST:

- Multifunctional detection device ST-500 PIRANHA
- Wireline analyzer ST 300 "SPIDER"
- Non-linear junction detectors ST-402, ST-403 of series "CAYMAN".



Description

ST-600 HAS TWO OPERATING MODES:

- **"DETECTOR OF A MAGNETIC FIELD"** mode. This mode is designed to search for operating eavesdropping devices. The mode is implemented by receiving, converting and indicating electromagnetic signals arising from the operation of electronic devices. Built-in magnetic antenna is being used as a receiver. Frequency range of the antenna (0.04 - 30 kHz) allows you to detect devices with shielded housings.
- **"CABLE LINE DETECTOR"** mode. It is designed to trace cables when searching for wired eavesdropping devices. This mode is implemented by sending a test signal (frequency 455 kHz, modulated by a two-tone low-frequency signal) to a wired line and receiving it with a contactless sensor. The test signal is generated and supplied to the cable by generator. To compensate attenuation of the signal, generator power adjustment is provided.

Specifications

Main module	
Magnetic field sensor	
Sensor type	differential
Frequency range, kHz	0,4...30
Threshold sensitivity, A/m ² Hz ^{1/2}	10 ⁻⁷
Sensor of the electric field (receiver of cable trace detector)	
Sensor type	differential
Operating frequency, kHz	455
Bandwidth, kHz	30
Diapason of threshold adjustment, dB	30
Threshold sensitivity, V/m ² Hz ^{1/2}	10 ⁻⁷
Power supply, V	3.7
Generator	
Signal frequency, kHz	455
Signal amplitude, V	0.1...3
Type of signal modulation	Pulse Amplitude Modulation (PAM)
Power supply, V	3.7
Weight and dimensions	
Weight of main unit, kg	0.34
Dimensions of the main unit, mm	212x64x60
Weight of the generator, kg	0.2
Dimensions of generator, mm	110x64x60
Weight of full set when packed, kg	2.7
Dimensions of full set when packed, mm	500x160x220