

■ Non-linear junction detector ST-402 "CAYMAN"

ST-402 Cayman is intended to detect and locate eavesdropping electronics, mobile phones and SIM cards or any other devices utilizing semiconductor technology. It allows detecting electronic devices whether active or not, as well as finding their exact location. It also enables one to distinguish between return signals from real semiconductors and other kind of responses, such as those coming back from corrosion or metal-oxide-metal structures.

Application

- Search for active and passive electronic eavesdropping devices;
- Detection of mobile phones and SIM cards;
- Search for other electronic devices comprising semiconductor elements;
- Checking parcels and mail for dangerous attachments containing semiconductors.



Competitive advantages

- High detection sensitivity at a low output power;
- Effective work against interference (reinforced structures, corrosion, etc.);
- Low probability of false alarms;
- Additional opportunities to identify the response provided by the analysis of signals in the "Audio";
- Ergonomic design and large telescopic bar provides maximum comfort for the operator;
- Standard replacement battery provide up to 4 hours of continuous operation. ST-402 "Cayman" comes with four batteries that can increase the uptime up to 8 hours;
- Optimum balance between price and capabilities.



Specifications

Range of radiated frequencies	2-3 GHz
Peak radiated power	less than 2W
Antenna system polarization	elliptic
Operation Modes:	Search, Audio, Adaptation
Sensitivity diapason in Search mode	40 dB (5 values with 8 dB increment)
Response indication	visual (light), sound
Power Supply	Two Li-ion rechargeable batteries 3,7 V (type 18650)
Time of continuous work from fully charged battery	from 3 to 4 hours (depending on the operation mode)
Battery charging time	Less than 3 hours
Operating conditions	
- working temperature range	+5 ... +40 °C
- relative air humidity	up to 85% (at 25 °C)
Weight (with batteries)	1.75 Kg
Dimensions (LxWxH)	
- when folded	510 x 145 x 130 mm
- with telescopic arm pulled out completely	1500 x 250 x 130 mm
Weight of full set in case	5.8 Kg