



# **WISE EYE**

## **Integrated Security Solutions**

### **WE ST 032**

#### **MULTIFUNCTIONAL DETECTION INSTRUMENT**

The ST 032 Multifunctional Detection Instrument is used to detect and locate various appliances used for furtive acquisition of information (hereinafter called 'Special Technical Means', or 'STM'), to reveal natural and artificial channels of information leakage, and to monitor the level of information security.

The instrument consists of the Main Control and Indication Unit, and a set of Transducers, and is capable of operating in the following modes:

- HF detector/frequency meter, with the identification of GSM and DECT signals;
  - identification of GSM and DECT signals;
  - differential mode;
  - control of the scanning receiver.
- conducting line analyzer;
- infrared detector;
- low frequency magnetic field detector;
- differential low frequency amplifier;
- acoustic vibration transducer (optional);
- acoustic transducer (optional);
- control of the conducting line scanning receiver (AOR8000, 8200, 5000).

The information is displayed on a liquid crystal screen.

Sound output is available via headphones or speaker.

ST 032 can be powered from 1 type AA battery, or a power unit. ST 032 is a portable unit. For handling and storage a special bag is used, tailored to house all the components in a convenient way.



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<b>Specifications:</b>	
<b>Radio frequency detector-frequency meter</b>	
Operating frequency range	30-2500 MHz
Sensitivity at input	<1 (30MHz-1000MHz) mV; <4 (1000MHz-1800MHz) mV
Dynamic range	63 dB
Frequency meter sensitivity	<15 mV
Frequency measurements accuracy	± 0.01 MHz
<b>Conductive wire lines scanning analyzer</b>	
Scanning range	0.05-9 MHz
Sensitivity for signal/noise ratio 10 dB	<1 mV
Band width	10 kHz
Detection modes	AM, FM
Allowable mains voltage	600 V
<b>Infrared radiation detector</b>	
Spectral range	770-1000 mm
Band width of detection	0.3-300 MHz
Threshold sensitivity	$10^{-13}$ W/Hz <sup>1/2</sup>
<b>Low frequency magnetic fields detector</b>	
Frequency range	0.5-300 kHz
Threshold sensitivity	$10^{-11}$ T/Hz <sup>1/2</sup>
<b>Vibro-acoustic converter</b>	
Frequency range	0.3-6 kHz
Sensitivity	1 V*s <sup>2</sup> /m
<b>Acoustic converter</b>	
Frequency range	0.3-8 kHz
Sensitivity	>5 mV/Pa
<b>Low frequency differential amplifier</b>	
Normalized noise voltage at the input	<2 uV
Dynamic range	60 dB
Input impedance	200 kOhm
Common-mode interference damping factor	>60 dB
Frequency range	0.2-15 kHz
Maximum allowable input voltage	70 V
<b>Power</b>	
Power supply (DC)	1.5 (1 battery, AA type)/220 V
Maximum consumed current	<200 mA
Consumed current in operating mode	<100 mA
<b>Dimensions and weight</b>	
The principal control, processing and indication unit: overall dimensions	15728γ62γ mm



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The principal control, processing and indication unit weight	0.25 kg
Complete set: weight	

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