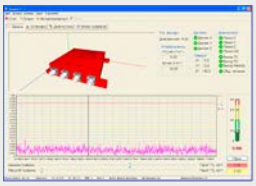
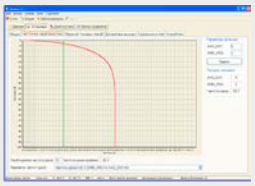
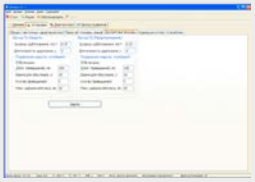
Test mode



Frequence attenuation



Main mode



Suppression of industrial influences set

SEISMIC SENSOR (SS-1)

PRODUCT HIGHLIGHTS

- MEMS-based
- Enhanced self-diagnostics:
  - of seismic accelerometers' efficiency;
  - of software integrity and installation parameters of the sensor;
  - of circuit continuity in current analog lines
- Suppression system of industrial mechanical vibrations on each channel of threshold acceleration
- Flexible adjustment of amplitude-frequency characteristics of the sensor
- Setup, monitoring and testing using computer (IBM PC compatible)
- 3 discrete output channels
- 4 analog output lines
- 1 digital RS-485 communication interface
- 220 V (AC), 24V(DC) power supply modification

TECHNICAL SPECIFICATIONS

Range of measured accelerations	0.05 –17 m/s^2
Frequency range	0.05 – 32 Hz
Factors of transformation accelerations to output current	0.8 - 8 $mA{\cdot}s^2{\cdot}m^{-1}$ (AP(X), AP(Y), AP (Z)); 0.8 – 16 $mA{\cdot}s^2{\cdot}m^{-1}$ (AO) configurable by HSI software
Accuracy of transformation accelerations to output current	± 0.5 (0.05 – 22 Hz)
Number of analog outputs	4 (AP(X), AP(Y), AP (Z), AO)
Current range of analog outputs	0 – 5 mA or 4 – 20 mA, configurable by HSI software
Number of discrete outputs	3 (set-points of acceleration levels - P1, P2; malfunction - Error)
Maximum switching power	60 W
Isolation	power supply, discrete outputs, analog outputs, RS-485 are galvanic-isolated
Self-diagnostic functions	value range checking, wire break detection, integrity checks etc.
Sensor power supply / contamination	220 V AC / 24 V DC, depending on version, 5,5 W
Operating temperature	-10 – +50 °C
Dimensions	190 (L) × 218 (W) × 59 (H) mm
Weight	2 kg