

SV 215

Acoustic Indoor Monitoring

The SV 215 is an acoustic monitoring case dedicated for the indoor use. The main applications include the residential area indoor noise monitoring, the audio performances monitoring and many other cases when a justification of the annoying noise has to be measured and identified.

The main feature of this set is the long term continuous sound level logging (Leq and optional 1/3 octave levels) with a unique capability of the simultaneous Audio Events Recording (AER). The AER is essential for identification of the related sound source by the playback.

The AER trigger mode can be set up as manual (audio recording is started by radio remote control, switchable on up to 50-meters distance) or automatic (audio is recorded when measured Leq is, for example, above certain level).

The AER time is user programmable as well as the sampling frequency which can be selected to 12 kHz, 24 kHz or 48 kHz (12 kHz sampling rate provides lower quality audio signal but allows the longer audio recording, whereas 48 kHz sampling frequency provides excellent audio signal quality but the recording time is trice reduced comparing to 12 kHz recording

mode). The AER function also provides the pre-trigger recording whose period depends on the selected sampling rate and it is 4 seconds in case of 12 kHz, 2 seconds in case of 24 kHz and 1 second in case of 48 kHz.

The logger file, which contains time-history results and audio-events data, is recorded to the USB Flash Disk ("Memory Stick") and can be verified and played back with SvanPC+ software. Taking into account the very big capacity of available USB memory sticks, the logging capabilities are almost unlimited.

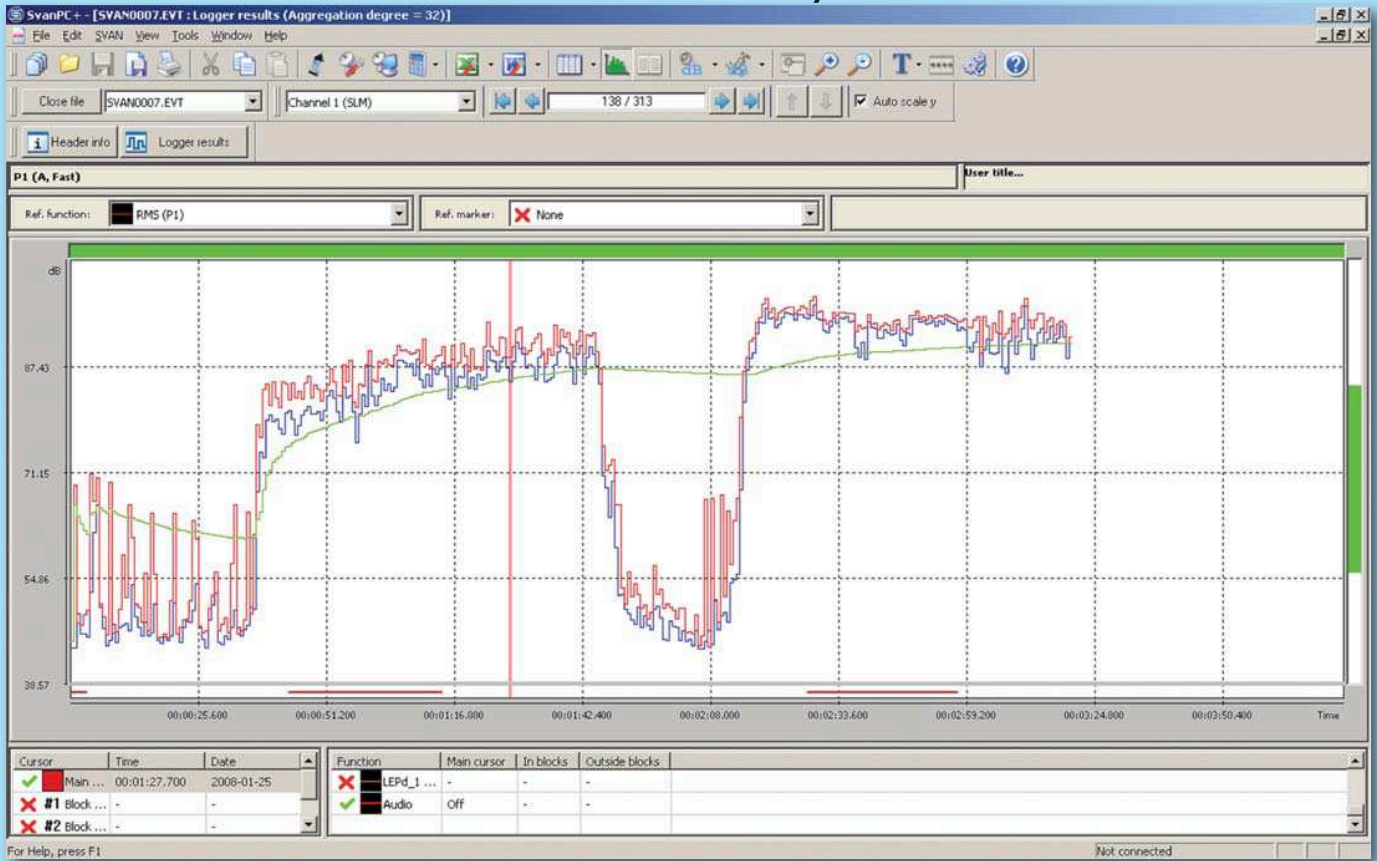
The SV 215 box is a hard case with an internal foam, manual trigger remote control and locking capabilities. System can be equipped with the SVAN 957 or SVAN 959 instrument. The microphone and preamplifier are mounted on the top of the case cover by means of the SA 08 "goose neck". The external trigger LED indicator is also exposed on the top of the case to verify manual triggering mode. System is powered from the internal batteries of the instrument (SVAN 957/9) or external SA 15 AC/DC power supply (wall adapter for the long term monitoring). The SV 30A calibrator and SA 22 windscreen are the optional equipment which fits into the SV 215 monitoring case.

FEATURES

- Audio Events Recording function with remote manual trigger
- Noise source identification thanks to AER
- Dynamic range 110 dB
- USB Memory Stick providing almost unlimited logging capacity
- Type 1, sound level measurements meeting IEC 61672:2002
- Three parallel independent profiles
- 1/1 and 1/3 octave real-time analysis
- Time-domain signal recording
- Advanced automatic trigger function
- Integration time programmable up to 24 h
- Case with locking capabilities



SvanPC + visualisation of the time-history with audio-events-records



Audio data export to separate wave files

Audio-events playback navigator

No	Start Time	Exported
1	00:00:00.000	
2	00:00:43.780	
3	00:02:27.260	

Path: C:\Documents and Settings\KK\Pulpit
Filename prefix: Event
Naming Convention: Append Index to Prefix

The 'Dosimetry Calculator' dialog box allows users to configure dosimetry parameters. It includes sections for 'Acoustic Dosimetry' and 'Vibration Dosimetry'. The 'Acoustic Dosimetry' section has checkboxes for 'Leq', 'Sel', and 'LEPd'. The 'Vibration Dosimetry' section has checkboxes for 'EDV', 'current dose', 'daily dose', 'current exposure', 'half exposure', 'AV total time', 'time left to EAV', 'ELV total time', 'time left to ELV', 'vector', 'ave (RMS)', and 'max (VDV)'. There are also input fields for 'Exchange rate' (set to 3) and 'Exposure time [h:mm:ss]' (set to 04:00:00). Buttons for 'Calculate' and 'Cancel' are at the bottom.

Audio-events playback

Data transfer to spreadsheet or text document

The 'Events Navigator' dialog box provides playback controls for audio events. It includes buttons for play, stop, previous, and next. A 'Gain' slider is set to 0.0 dB. There are also checkboxes for 'Automatic Gain Control' and 'Synchronize All Views'.

No	Time	Ch1 (SLM) P1 (A, Fast) Peak [dB]	Ch1 (SLM) P1 (A, Fast) Max [dB]	Ch1 (SLM) P1 (A, Fast) Min [dB]	Ch1 (SLM) P1 (A, Fast) RMS [dB]	Ch1 (SLM) P1 (A, Fast) Leq (C) [dB]	Ch1 (SLM) P1 (A, Fast) Sel (C) [dB]
115	00:01:12.960	108.10	90.90	86.30	89.08	83.67	119.33
116	00:01:13.620	109.50	90.20	87.00	89.25	83.77	119.47
117	00:01:14.260	109.70	91.90	88.00	90.49	83.91	119.64

Continuous product development and innovation are the policy of our company. Therefore, we reserve the right to change the specifications without prior notice.

DISTRIBUTOR:



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