

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 three times 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

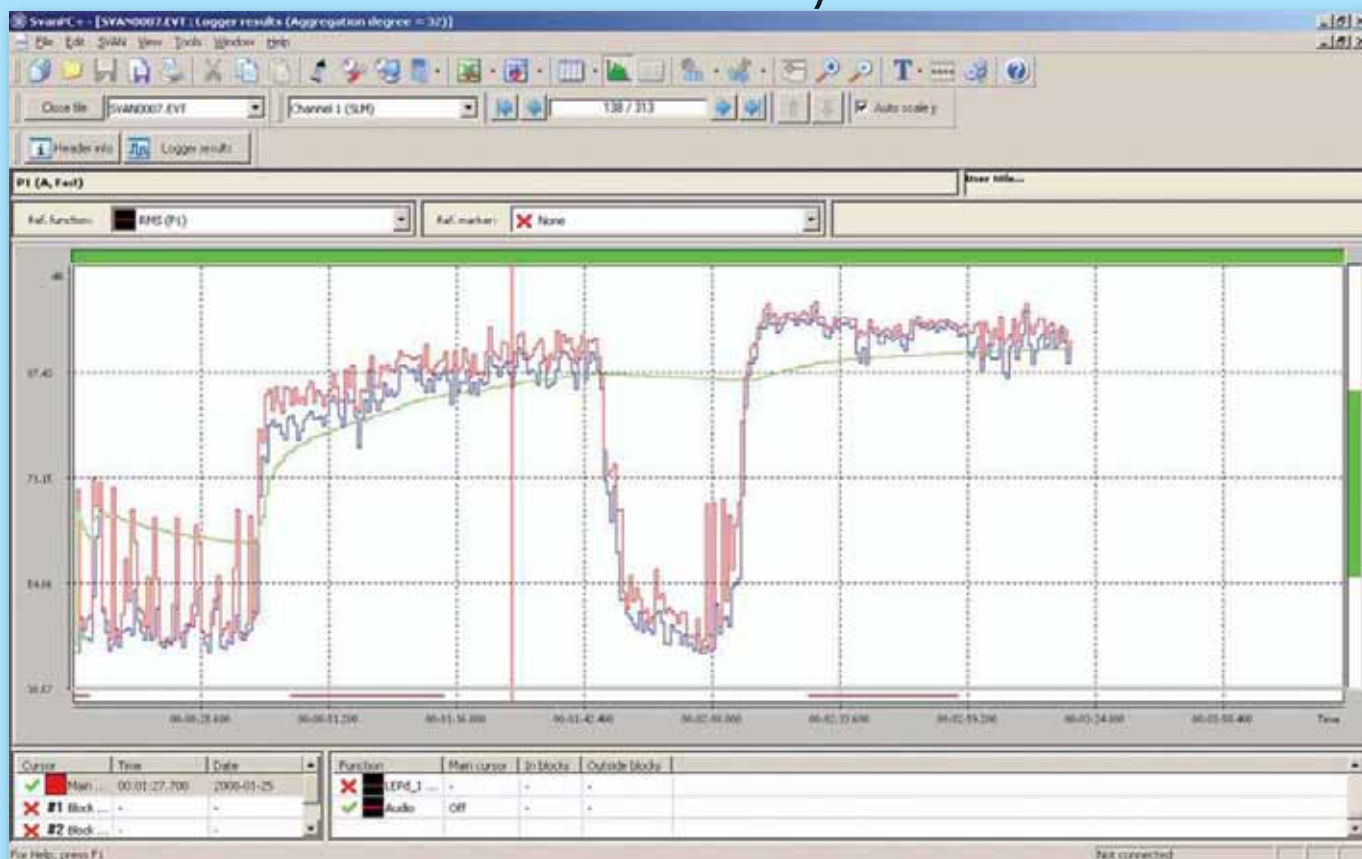
- Audio Events Recording function with remote manual trigger
- Noise source identification thanks to AER
- Dynamic range 110 dB
- USB Memory Stick providing almost unlimited logging capacity
- Type 1, sound level measurements meeting IEC 61672:2002
- Three parallel independent profiles
- 1/1 and 1/3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



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INSTRUMENTATION FOR SOUND & VIBRATION
MEASUREMENTS

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

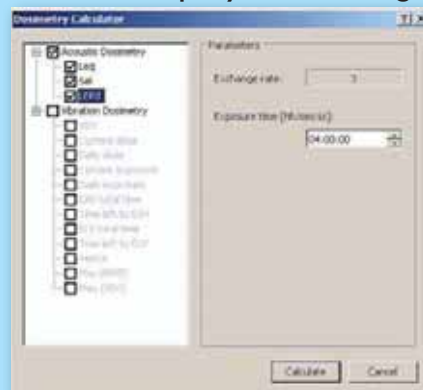


Audio data export to separate wave files

Audio-events playback navigator

| No. | Start Time | Exported |
|-----|--------------|----------|
| 1 | 00:00:00.000 | |
| 2 | 00:00:43.700 | |
| 3 | 00:02:27.200 | |

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



Audio-events playback

Data transfer to spreadsheet or text document



| No. | Time | Ch1 (SLM) P1 (A, Fast) | Ch1 (SLM) P1 (A, Fast) | Ch1 (SLM) P1 (A, Fast) | Ch1 (SLM) P1 (A, Fast) | Ch1 (SLM) P1 (A, Fast) | Ch1 (SLM) P1 (A, Fast) |
|-----|--------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 115 | 00:01:12.980 | 108.10 | 90.90 | 96.30 | 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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