

SV 102 Dual Channels Acoustic Dosimeter



FUNCTIONS

- dual channels Acoustic Dosimeter
- dual channels Type 2 Sound Level Meter
- dual channels 1/1 octave analysis (option)
- dual channels Noise Dose Calculation in 1/1 octave bands (option)
- Time History recording (option)

FEATURES

- Acoustic Dosimeter conforming to IEC 61252
- Type 2 instrument conforming to IEC 61672
- easy operation
- built-in non-volatile memory up to 128 MB
- 2 x AA batteries (operational time > 8 h)
- USB 1.1 Client interface
- large LCD with backlight
- robust case
- dimensions: 95 x 83 x 33 mm
- light weight ca 350 g

SVAN 912AE Handheld Sound & Vibration Analyser



FUNCTIONS

Sound Level Meter & Vibration Meter

- noise measurements (Spl, L_{eq}, SEL, Statistics)
- infra and ultrasound measurements (from 1 Hz to 90 kHz)
- acceleration, velocity and displacement measurements
- human vibration measurements (meets ISO 2631-1&2)
- four channels sound and vibration measurements with SV 06A or SV 08A modules

Analyser

- real-time 1/1 octave and 1/3 octave analysis up to 90 kHz
- real-time narrow band frequency analysis up to 90 kHz (FFT)
- digital ZOOM (down to 0.016 Hz resolution)
- four channels frequency analysis with SV 06A or SV 08A modules

FEATURES

- Type 1 instrument conforming to: IEC 651, IEC 804, IEC 61672 and ISO 8041
- multi-function instrument
- easy operation
- built-in Flash disk 64 MB
- built-in rechargeable battery (operational time > 8 h)
- USB 1.1 interface
- RS 232 interface
- AES/EBU interface
- large LCD with backlight
- handheld, robust case
- light weight



Acoustic Calibrators SV 30A & SV 31



- Type 1 conforming to IEC 60942:2003
- 1000 Hz
- 94 dB or 114 dB levels (SV 30A)
- 114 dB level (SV 31)
- 1/2" internal reference condenser microphone
- automatic power On/Off
- microprocessor based design
- built-in temperature and static pressure compensation
- 2 x AAA batteries
- dimensions: 65 x 65 x 70 mm
- weight: 310 g



Environmental Noise Monitoring SV 211



NOISE MONITORING STATION SV 211

- periodical environmental noise monitoring terminal
- weather protected
- built-in sound meter & analyser (SVAN 959)
- 110 dB dynamic range
- powered from internal battery (solar panel optional)
- wireless (GPRS) data transfer (option)
- weather conditions monitoring (option)

NOISE MONITORING STATION SV 210

- permanent environmental noise monitoring terminal
- fully weather protected
- built-in sound meter & analyser (SVAN 959)
- 110 dB dynamic range
- powered from internal battery or mains (solar panel optional)
- wireless (GPRS) data transfer (option)
- weather conditions monitoring (option)

CONTROL of the STATION

- PC based
- SvanPC+(RC) software for control, data collecting and presentation Windows 2000/XP compatible

APPLICATIONS

- on line noise monitoring
- long term noise monitoring
- acoustic map verification
- noise barrier effectiveness verification



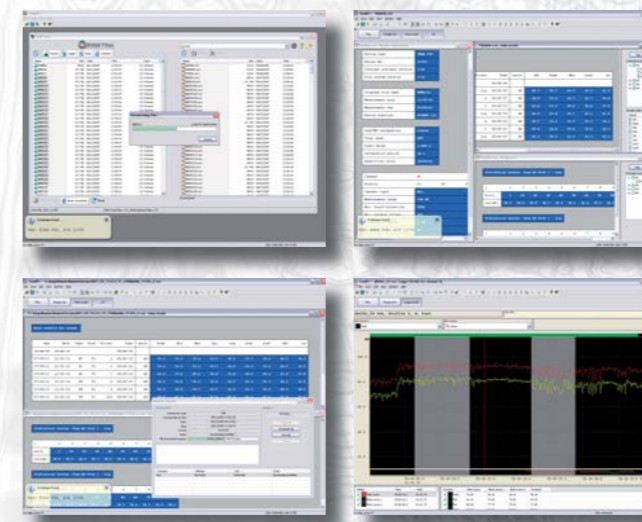
SvanPC+ software

Sophisticated tool extending functionality of the Svantek sound & vibration measuring instruments:

- remote control and data transfer for the SVAN 94x and SVAN 95x instruments
- measurement results downloading
- data visualisation
- data files storage
- data post-processing (e.g. spectra comparison, time history recalculation, tonality analysis etc.)
- data files export (*.txt, *.emf, *.csv formats)
- RS 232 and USB interfaces compatible
- Windows 2000/XP compatible

Remote communication module for SvanPC+

- remote communication using GPRS modems for the SVAN 9xx instruments
- simultaneous data acquisition from many instruments
- programmable session for each remote instrument (start/stop time, measurement parameters, type of collected results etc.)
- two modes of operation
 - two way communication between PC and instruments to gather measurement results
 - one way (receiving only) communication to gather results sent by instrument
- direct data transmission to internet (supports UDP/IP) in receiving mode only
- real-time visualisation of collected results
- advanced options to ensure continuity of GPRS connection and minimize data transmission losses



SVANTEK is Polish company established in 1990. Our mission is developing and producing the most advanced instrumentation for the sound and vibrations measurements. We currently offer:

Instruments

- sound and vibration level meters
- sound and vibration analysers
- multi channel input modules
- acoustic calibrators
- signal generators
- measurement microphones
- accelerometers
- accessories

Measurement systems

- environmental noise and vibration monitoring systems
- instrumentation for building acoustics
- laboratory equipment

Software

- SvanPC+ for data downloading, post-processing and remote operation
- SvanPC+(RC) (Remote Communication) sophisticated software module for remote communication between PC and SVAN 9xx instruments including GPRS data transmission.



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2007



This year we have extended the SVAN 95x series by the new four channels Sound & Vibration Analyser SVAN 958.
Another revolutionary product we are introducing to the market is new Acoustic Dosimeter SV 102. This instrument offers binaural dosimetry in the 1/1 octave bands setting new reference standard on this field.



SVAN 955 Low cost Sound Level Meter

FEATURES

- SVAN 955 single range 25 dBA - 141 dBA, Type 1 SLM
- Spl, L_{eq} , SEL, Statistics, TaktMax measurements with parallel Impulse, Fast and Slow detectors and A, C or Z filters
- acoustic dose meter function (option)
- internal non-volatile memory 16 MB
- Time History recording of RMS / Max / Min / Peak results to the USB Memory Stick (with USB Host option)
- USB 1.1 Client
- USB 1.1 Host, RS 232 & IrDA interfaces (option)
- battery operational time up to 16 h (in the SLM mode)
- handheld, robust case (aluminium profile)
- light weight (only 610 grams with batteries, microphone and preamplifier)



SVAN 953 Low cost Sound Level Meter & Analyser

FEATURES

- Type 2 SLM meeting IEC 61672:2002
- single range in Meter Mode 26 dBA - 141 dBA
- Spl, L_{eq} , SEL, Statistics, TaktMax, parallel Impulse, Fast and Slow detectors for the measurements with A, C or Z filters
- three parallel independent profiles
- 1/1 octave real-time analysis (option)
- FFT real-time analysis (option)
- acoustic dose meter function (option)
- advanced trigger and alarm functions
- internal non-volatile memory 16 MB
- external mass memory - USB Memory Stick (not included)
- Time History recording of RMS / Max / Min / Peak results to the USB Memory Stick (with USB Host option)
- USB 1.1 Client
- USB 1.1 Host, RS 232 & IrDA interfaces (option)
- battery operational time up to 16 h (in the SLM mode)
- handheld, robust case (aluminium profile)
- light weight (only 615 grams with batteries, microphone and preamplifier)



SVAN 957 & 959 Sound & Vibration Analysers

FEATURES

- Sound Level Meter**
- noise measurements (Spl, L_{eq} , SEL, L_{den} , TaktMax and Statistics) with Type 1 accuracy
 - parallel Impulse, Fast and Slow detectors for the measurements with A, C or Z filters
 - dynamic range: 110 dB - 959, 100 dB - 957
- Vibration Meter**
- human vibration measurements according to ISO 2631-1 meeting ISO 8041:2005 (option)
 - parallel Peak, RMS (incl. MTWV) and RMQ (incl. VDV) measurements (option)
 - rotation speed measurements parallel to the vibration measurement (option)

Analyser

- spectral analysis parallel to the Meter Mode operation
- 1/1 and 1/3 octave real-time analysis (option)
- FFT calculation with 1920 lines in real-time up to 22.4 kHz (option)
- loudness measurement (option, SVAN 959)
- tonality measurement (option, SVAN 959)
- reverberation time measurements (option)
- user programmable second order band pass filters (option, SVAN 959)

General

- internal non-volatile memory 32 MB
- external mass memory - USB Memory Stick (not included)
- Time History recording of RMS / Max / Min / Peak results to the USB Memory Stick
- time domain signal recording to the USB Memory Stick (option)
- signal generator (option, SVAN 959)
- USB 1.1 Host & Client interfaces
- RS 232 & IrDA interfaces (option)
- battery operational time up to 16 h (in the SLM mode)
- handheld, robust case (aluminium profile)
- light weight (only 630 grams with batteries, microphone and preamplifier)



SVAN 954 Low cost Vibration Analyser

FEATURES

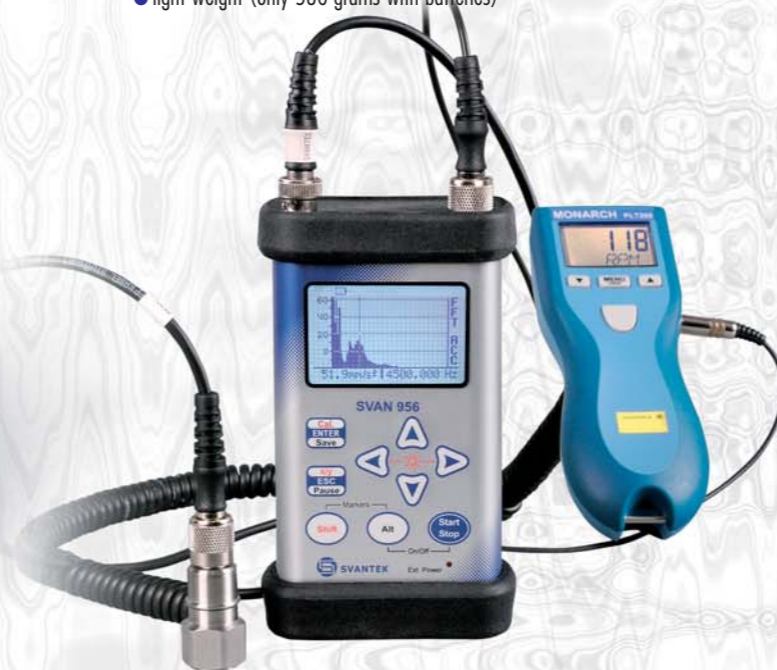
- parallel acceleration, velocity and displacement measurements
- built-in "machine filter" (10 Hz - 1 kHz) meeting ISO 10816
- FFT analysis - 1600 lines in real-time with Hanning window (option)
- 1/1 octave real-time analysis (option)
- rotation speed measurement parallel to the vibration measurement (option)
- internal non-volatile memory 16 MB
- Time History recording of RMS / Max / P-P / Peak results (option)
- programmable measuring "route" (option)
- USB 1.1 Client
- battery operational time up to 16 h (in the Meter Mode)
- new handheld, robust case (aluminium profile)
- light weight (only ca 460 grams)



SVAN 956 Vibration Analyser

FEATURES

- parallel acceleration, velocity and displacement measurements
- built-in "machine filter" (10 Hz - 1 kHz) meeting ISO 10816
- FFT analysis - 1600 lines in real-time with Hanning window
- 1/1 and 1/3 octave real-time analysis (option)
- Human Vibration measurement meeting ISO 8041:2005 (option)
- rotation speed measurement parallel to the vibration measurement (option)
- balancing of the rotating mass (option)
- sophisticated enveloping analysis function (option)
- user programmable LP, HP and Band Pass filters (option)
- programmable measuring "route" (option)
- internal non-volatile memory 32 MB
- external mass memory - USB Memory Stick (not included)
- Time History recording of RMS / Max / P-P / Peak results to the USB Memory Stick
- time domain signal recording to the USB Memory Stick (option)
- USB 1.1 Host & Client interfaces
- RS 232 & IrDA interfaces (option)
- battery operational time up to 16 h (in the Meter Mode)
- handheld, robust case (aluminium profile)
- light weight (only 530 grams with batteries)



SVAN 945A Sound Analyser

FEATURES

- noise measurements (Spl, L_{eq} , SEL, L_{den} , Statistics, TaktMax) with Type 1 accuracy
- parallel Impulse, Fast and Slow detectors for the measurements with A, C, G or Z filters
- single measurement range 24 dBA RMS - 140 dBA PEAK in the SLM mode
- 1/1 and 1/3 octave real-time analysis parallel to the SLM operation (option)
- FFT calculation, 1920 lines in real-time up to 22.4 kHz (option)
- acoustic loudness measurement (option)
- tonality function measurement with two 800 line FFT spectra parallel to the SLM operation (option)
- reverberation time measurements (option)
- user programmable second order band pass filters (option)
- internal buffer for logging more than six weeks of 1 sec RMS / Max / Min / Peak results (48 MB of non-volatile memory)
- USB 1.1 and RS 232 interfaces
- built-in temperature and static pressure measurements
- built-in rechargeable battery (operational time > 10 h)
- handheld, robust case
- light weight (only ca 600 grams with batteries, microphone and preamplifier)



SVAN 958 Four Channels Sound & Vibration Analyser

FEATURES

- four channels general purpose simultaneous vibration and sound measurements
- from 0.8 Hz to 20 kHz frequency band (4 channels / real-time)
- Human Vibration measurements meeting ISO 8041:2005 including VDV and MTWV
- vibration dose calculation function
- noise measurements Type 1 meeting IEC 61672
- acoustic dose measurement function (option)
- internal non-volatile memory 32 MB
- external mass memory - USB Memory Stick (not included)
- Time History recording of RMS / Max / P-P / Peak results to the USB Memory Stick
- time domain signal recording to the USB Memory Stick (option)
- FFT analysis - 400, 800 or 1600 lines (option)
- 1/1 and 1/3 octave real-time analysis (option)
- reverberation time measurement (option)
- USB 1.1 Host & Client interfaces
- RS 232 & IrDA interfaces (option)
- easy operation
- battery operational time > 10 h
- handheld, robust case
- light weight (only 510 grams with batteries)

