SVANTEK was established in Poland in 1990 with the mission to develop and manufacture the world's most advanced instrumentation for sound and vibration measurement. Today Svantek products have become a competitive force in sound and vibration measurement instrumentation for Engineering, Industry, Safety, and the Environment.

The Svantek offering includes:
- Sound and vibration level meters
- Sound and vibration frequency analyzers
- Multi-channel meters and analyzers
- Personal acoustic/noise dosimeters
- Human vibration exposure dosimeters
- Acoustic calibrators
- Vibration calibrators
- Signal generators
- Measurement microphones
- Accelerometers
- Environmental noise and vibration monitoring systems
- Instrumentation for building acoustics measurements
- Laboratory equipment including complete calibration systems
- Software for data downloading, post-processing, visualization, reporting and export to popular applications
- Sophisticated software module for remote communication with instruments and monitoring systems over GPRS, LAN, WLAN and Internet
- Calibration services
- Sound and vibration accessories

To maintain a position of innovation, continuous product development is necessary. We reserve the right to change product specification without notice.

Svantek products are distributed exclusively in North America by Sensidyne, LP.

www.Sensidyne.com/svantek

SoundAndVibration@Sensidyne.com
**SVAN 979**
**Sound & Vibration Analyzer**

_The most advanced and powerful single channel SLM & Vibration Analyzer ever made_

**FEATURES**
- The most powerful Type 1 SLM (IEC 61672:2002) and sound analyzer:
  - Multi-profile sound measurement
  - 1/1, 1/3 octave real-time analysis
  - Unique 1/6, 1/12 octave real-time analysis
  - Audio events and wave file recording
  - Data logging with sophisticated triggering
  - RT60 measurement
  - Pure tone detection
  - Loudness analysis
  - SvanMobile app for measurement tracking
- Special functions:
  - FFT with digital zoom
  - Signal generator
  - User programmable second order band-pass filters
  - Automatic detection of the windscreen and extension cable
  - Self-vibration monitoring
- State of the art hardware design:
  - 110 dB dynamic range
  - Acoustic frequency response digitally compensated
  - Dual DSP architecture
  - OLED color display with super brightness and contrast (10000:1)
  - Micro-SD flash card providing large memory size (up to 32 GB available now)
  - IEPE, Direct (AC or DC coupling) and 200 V polarization inputs
  - USB Client and Host ports providing flexible functional extensions (GPRS, Ethernet, WLAN, ZigBee™)
  - Built-in Bluetooth™ interface
  - RS 232 interface
  - GPS time synchronization and positioning
  - AC output and external trigger input

**SA 203A, SA 205 - All Weather Microphone Protection**
- Protection of the microphone and preamplifier from environmental conditions
- Type 1, Community and Airport characteristics available simultaneously
- Easy calibration in field using acoustic calibrator
- SA 203A for SVAN 977, SA 205 for SVAN 979
- Effective and affordable microphone protection

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**SVAN 971**
**SLM & Analyzer**

**NEW FEATURES**
- Low-cost Type 1 sound level meter meeting IEC 61672:2002
- Intended for general acoustic measurements, occupational health and safety noise measurements, environmental noise measurements
- Easy in use with predefined setups
- Extremely simple operational Start/Stop mode
- Three parallel independent configuration profiles
- 1/1 or 1/3 octave real-time analysis
- Advanced time-history data logging
- Micro-SD memory card for large logging capacity
- Acoustic noise dosimetry function
- Voice comments recording
- Self-vibration monitoring
- Compact, pocket sized & light weight
- OLED color display with super brightness and contrast
- Very robust casing and IP65 protection level
- Supervisor+ software

**SVAN 972**
**Sound Level Meter**

**FEATURES**
- Type 2, low-cost sound level meter meeting IEC 61672:2002
- Excellent choice for general acoustic measurements, occupational health and safety noise measurements
- Easy in use with predefined setups
- Three parallel independent configuration profiles
- 1/1 or 1/3 octave real-time analysis
- Advanced time-history logging
- Micro-SD memory card for large logging capacity
- Acoustic noise dosimetry function
- Compact, pocket sized & light weight
- OLED color display with super brightness and contrast
- Very robust casing and IP65 protection level
- Supervisor+ software

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SVAN 977
Sound & Vibration Analyzer

FEATURES
- Type 1, IEC 61672:2002 sound level measurements
- Dedicated for:
  - General acoustic measurements
  - Environmental noise monitoring
  - Occupational health and safety noise monitoring
  - Ultra sound measurements in 40 kHz band
  - General vibration measurements (acceleration, velocity and displacement)
  - Hand-arm vibration measurements
  - Three parallel independent configuration profiles
  - 1/1 or 1/3 octave real-time analysis
  - FFT real-time analysis
  - Time-domain signal recording (audio events recording)
  - Reverberation time measurements
  - Advanced Data Logger with spectral analysis
  - Micro-SD card for large logging capacity
  - Bluetooth™ interface
  - Remote communication (GPRS, Ethernet, WLAN, ZigBee™)
  - Acoustic noise dosimetry function
  - All weather microphone protection kit designed for community and airport noise monitoring
  - OLED color display with super brightness and contrast

SV 30A & SV 31
Acoustic Calibrators

FEATURES
- Type 1 sound calibrator meeting IEC 60942
- Frequency 1000 Hz
- 94 dB (SV 30A) or 114 dB levels (SV 30A, SV 31)
- Calibration of 1/2” microphones directly with 1/4” SA 30 adapter
- 1/2” internal reference condenser microphone
- Microphone presence detection
- Automatic power on/off
- Built-in temperature and static pressure compensation
- Robust casing

SV 111
Vibration Calibrator for HVM

FEATURES
- Instrument meeting ISO 8041:2005
- Calibration of the HVM at low frequency 15.92 Hz, loading capability up to 1 kilogram
- Complete seat accelerometer calibration in all three axes
- Easy calibration of all type of vibration transducers for acceleration, velocity and displacement at 15.92 Hz, 79.58 Hz, 159.2 Hz & 636.6 Hz
- Calibration signal fault detection
- Triaxial reference transducer
- Ready and easy to use in field

SV 211 - Logging Noise Monitoring System

FEATURES
- Environmental (airport, city and industrial) noise monitoring meeting Type 1, IEC 61672:2002
- Weather-protected for the outdoor use
- Dedicated for SVAN 977 and SVAN 979
- Remote communication via GPRS transmission, LAN & WLAN (over Internet)
- SV 205 meteorological weather monitoring module
- Powered from rechargeable internal battery, DC power supply or solar panel
SV 100, SV 101 Whole Body Vibration Dosimeters & Analyzers

FEATURES
- Digital Human Vibration meter & analyzer integrated with triaxial Whole-Body accelerometer
- Whole-Body vibration measurement performed without any other electronic devices
- Built-in driver (SV 100) or operator (SV 101) presence detection sensor
- Ideal choice for the measurements according to ISO 2631 and ISO 8041:2005
- Time-domain signal recording
- 1/1 and 1/3 octave real-time analysis
- Motion sickness measurements according to ISO 2631

SV 102 - Dual-Channel Dosimeter, SLM, Analyzer

FEATURES
- Dual-channel acoustic dosimeter (IEC 61252 and ANSI S1.25-1991)
- Dual-channel Type 2 SLM conforming to IEC 61672
- Dual-channel 1/1 or 1/3 octave real-time analysis
- Single measurement range 45 dBA RMS ÷ 141 dB PEAK
- Audio events recording
- Advanced data logger
- Sliding-window Leq calculation
- Built-in non-volatile 64MB memory
- Automatic calibration by the TEDS technology
- Individual evaluation of the HPDs attenuation in real-world
- MIRE technique with SV 25S
- Extremely compact, light weight
- Low cost

SV 103 Hand-Arm Vibration Dosimeter & Analyzer

FEATURES
- Personal Human Vibration meter & analyzer with triaxial Hand-Arm accelerometer
- Contact force sensor for automatic measurements of A(8) dose and exposure time
- Hand-Arm measurement in conformance to ISO 8041:2005 and ISO 5349
- Advanced data logging capability with storage on micro-SD flash memory
- Time-domain signal recording
- 1/1 and 1/3 octave real-time analysis
- Micro-SD flash card providing large memory size
- User interface - four navigation push-buttons and built-in 128 x 32 pixels OLED display

SV 25S MIRE Microphone

- Meeting ISO 11904-1, ANSI S12.42
- 55 dBA RMS ÷ 120 dB PEAK
- Determination of sound emissions from sources located close to the ear
- Individual real-world test of the earmuffs noise reduction ratio
- MIRE, Measurements In Real Ear applications

SV 102A Type 1 Dual-Channel Analyzer

FEATURES
- Type 1 version of SV 102 dosimeter
- Type 1 prepolared microphone and dedicated amplifier
- Dual-channel 20 Hz ÷ 20 kHz band
- Measurement range 45 dBA RMS ÷ 141 dB PEAK
- Measurements In Real Ear (MIRE)
- Low cost
SVAN 958 Sound & Vibration
Four-Channel Analyzer

FEATURES
- Unique instrument on the world market with multiple range of possible applications
- Best solution for simultaneous noise & triaxial vibration measurements
- Ideal choice for building vibration measurements thanks to implemented KB filter meeting DIN 4150
- Human vibration measurements meeting ISO 8041:2005
- All four channels flexibly configured, i.e. for acoustic power measurements applications
- Dedicated sets of accessories for each application
- Noise measurements Type 1, IEC 61672:2002
- 1/1 or 1/3 octave real-time analysis
- FFT real-time analysis
- Sound intensity measurements
- Reverberation time measurements
- FFT cross spectra
- Time-domain signal recording
- USB memory stick with substantial logging capacity

SV 207A
- Triaxial accelerometer dedicated for building & ground vibration measurements
- Robust hermetic box with leveling system
- Mounting holes and spikes

SV 208
- Sound measurement set including outdoor microphone protection kit
- Sophisticated alarm functions including reporting via text messages (SMS) and e-mails
- Remote communication via GPRS transmission, LAN & WLAN (over Internet)
- SV 205 weather conditions monitoring module
- Powered from rechargeable internal battery, DC power supply or solar panel

SV 207A
- High sensitivity
- Triaxial accelerometer dedicated for building & ground vibration measurements
- Robust hermetic box with leveling system
- Mounting holes and spikes

SVAN 106 Six-Channel
Human Vibration Meter & Analyzer

FEATURES
- Revolutionary six-channel Human Vibration meter & analyzer meeting ISO 8041:2005
- Ideal choice for Hand-Arm (ISO 5349) and Whole-Body (ISO 2631) vibration measurements
- Predefined settings for A(8) calculation
- Additional two channels for contact force measurements
- Able to perform simultaneous measurements with two triaxial accelerometers (e.g. for both hands)
- Time-domain signal recording (ISO 2631-5)
- 1/1 or 1/3 octave real-time analysis
- Micro-SD flash card
- Building vibration measurement mode supporting SV 207A accelerometer

ACCESSORIES FOR HUMAN VIBRATION MEASUREMENTS

SV 105A, SV 107 and SV 150
- Triaxial accelerometer for Hand-Arm measurements
- Contact force measurements (SV 107)
- Three adapters for different vibrating objects’ shapes (SV 105 & SV 107) or direct fixing to the tool (SV 150)
- TEDS memory
- Dedicated for SV 106

SV 38V (voltage), SV 38 (IEPE)
- Low-cost triaxial Whole-Body seat accelerometer based on MEMS transducers
- Human Vibration Measurements according to ISO 8041:2005 standard
- TEDS memory
- Easy use with SV 106 (SV 38V) and SVAN 958 (SV 38)
- Strap for easy fixing to the seat back
SV 200
NOISE MONITORING STATION

FEATURES
- ‘All in one’ design for portable, mobile and permanent noise monitoring installations
- Real-time 1/1 or 1/3 octave analysis
- Audio events recording
- Rugged housing protecting the system against harsh environmental conditions (IP66)
- Integrated electrostatic actuator for full system verification
- Type 1 according to IEC 61672
- Integrated high speed 3G or Wi-Fi modem
- Automatic time synchronization
- Large windscreen against high-speed wind
- Intelligent heater protecting microphone against humidity
- Live audio & data streaming capabilities
- Low power consumption, integrated Li-Ion battery and direct connection for solar panels
- Highly reliable and secure data push and configuration pull communication protocol
- Both, server and web based system configuration
- Community & airport characteristics available simultaneously

APPLICATIONS
- Unattended noise monitoring with remote communication
- Airport noise monitoring
- Community noise monitoring
- Construction site noise monitoring
- Industrial noise
- Noise monitoring during concerts and sporting events
- Noise mapping
- Wind farm noise monitoring

SVANPC++_EM
ENVIRONMENTAL MONITORING MODULE

FEATURES
- Data management
- Projects (results, views, calculations, pictures and other files)
- Saving and restoring project desktop
- Time-history data cutting
- Saving views on data
- Time-history events finder & automatic block selection
- Reporting with schemes (Microsoft Word™ required)
- Data analysis and recalculations:
  - Sound: Leq, SEL, Min, Max, Lmin, Lmax, Max(Max), Max(Peak), Ltm3, Ltm5
  - Vibration: Total RMS, Total VDV, Vector, Lmin, Lmax, Max(Max), Max(Peak)
  - Statistics (LN, histogram)
  - Day / evening / night noise level
  - Data comparison tools
  - Markers for events identification
  - Noise Criterion level & Noise Rating curve calculation
  - Spectrum averaging, Min, Max
  - Peak and harmonics detection in FFT result files
  - Tonality analysis based on FFT and 1/3 octave result files
  - Impulse analysis according to UNI/BS 9432:2002

NEW

APPLICATIONS
- Unattended noise monitoring with remote communication
- Airport noise monitoring
- Community noise monitoring
- Construction site noise monitoring
- Industrial noise
- Noise monitoring during concerts and sporting events
- Noise mapping
- Wind farm noise monitoring
SVANPC++_RC
REMOTE COMMUNICATION MODULE

FEATURES
- Perfect solution for unattended monitoring systems:
- Easy management of multi-point monitoring
- On-demand and automatic remote data download
- Measurement status monitoring, system check and alerting
- Remote system configuration
- Out-of-the-box on-line data publishing
- Supported connection media / protocols:
  - GPRS modem
  - 3G (SV 200)
  - Wi-Fi / LAN
  - Bluetooth™
  - USB
  - ZigBee™

SVANMOBILE - SMARTPHONES & MOBILE TABLET APPLICATION

FEATURES
- Measurement tracking extending instrument's capabilities by comfortable enrichment of measurement data with text/voice comments, photo, video, GPS position and more
- On-the-fly measurement evidencing (markers)
- Perfect supporting tool for outdoor and indoor measurement
- Remote control of measurement start/stop, markers and instrument setup
- Current results view including spectra
- Short-range communication with Bluetooth™ and long-range with TCP/IP networks
- Available for Android™ and BlackBerry™

SVANPC++_BA - BUILDING ACOUSTICS MODULE

FEATURES
- Building acoustics results calculation
- ISO 140 and ISO 717 standardized reports
- Airborne and impact sound insulation
- Decay & Impulse RT60 automatic calculation
- Easy to use sound insulation wizard
- Automatic report creation (requires Microsoft Word™)
- Measurement project management

SVANPC++
ADVANCED SUPPORTING PC SOFTWARE

FEATURES
- Easy download of measurement data to PC
- Total Leq / RMS recalculation
- Variety of data export options
- Results presentation: text, table and graphic format
- Advanced customization of each view
- Creation of measurement setups
- Wizard mode
- Simplified ‘Health and safety’ mode
- Merging of measurement files
- ASCII format permits easy development of custom and personalized user applications

SUPERVISOR+ H&S SOLUTIONS SOFTWARE

FEATURES
- Occupational noise and vibration data management
- Analysis of data and exposure calculation
- Easy instrument configuration and data download
- Powerful reporting tools
- Automatic report creation (Microsoft Word™ required)
- Data finder & tagging tools
- Measurement objects data base
- "What if" study
- Calibration validity automatic reminder