

SV211

Noise Monitoring Case System

The SV211 is a portable monitoring system that is housed in a waterproof case and is ideal for periodical measurements in the environment. The system can use either the SVAN977 or SVAN979 instruments which can easily be removed from the case and used as hand-held sound level meters.

The SV211 is powered from a high capacity rechargeable battery which is also mounted in the case and can be charged from an external DC power source such as a mains powered charger or by direct connection to a solar panel.

The outdoor microphone kit is easily installed on a mast with standard mounting threads. For measurement at greater heights a special mast with a set of guy-lines/ropes is available. An optional extra for the SV211 system is our SV205A weather monitoring module which measures temperature, ambient pressure, humidity, wind speed and direction and also detects rain.

The SV211 system supports direct communication using GPRS and Wi-Fi modems which give full remote control over the measurement.

From the PC side the remote communication is handled by the powerful SvanPC++_RC software that offers advanced features such as automatic data download or CSV and HTML data publishing combined with FTP upload. Use of a GPRS modem also enables sending triggered SMS and e-mail alerts when pre-set noise level thresholds are exceeded.

The analysis of noise data is supported by the advanced system of automatic markers representing acoustic events in the time history. In addition, the audio-event recording allows identification of sources of sound and the exclusion of irrelevant noise events.

The system is fully compatible with SvanPC++ software and use of the optional Environmental Monitoring module offers increased functionality including day/night/evening calculator, statistics recalculation and automated noise event finder; a unique tool for noise source identification. For automatic measurement reports on a daily basis, SvanPC++ offers "Projects" functionality which allows you to create and save reports into MS Word templates.

Features

- Waterproof protection case dedicated for:
 - On-line noise monitoring
 - Construction site monitoring
 - Industrial noise monitoring
 - Windfarms noise measurements
 - Verification of the noise barriers efficiency
- Options for remote communication (GPRS, LAN & WLAN)
- Meteorological module for temperature, pressure, humidity, rain detection, wind speed and wind direction (option)
- Powering from internal battery, DC power supply or solar panel
- Internal controller (option)
- Designed for sound meters / analysers: SVAN977 and SVAN979



SV 211

Technical Specification

SV 211 monitoring case

Remote Communication	GPRS modem (option) LAN & WLAN module (option)
Power Supply	Battery recharging 15 V ÷ 30 V (waterproof connector) DC power supply 11 V ÷ 30 V (waterproof connector) Mains power supply 100 V ÷ 240 V Internal battery 33 Ah (12 V)
Environmental Conditions	Temperature -10 °C ÷ +50 °C
Dimensions	420 x 340 x 210 mm (without antenna and cables)
Weight	Approximately 19 kg including battery

SvanPC++ Environmental Monitoring module (option)

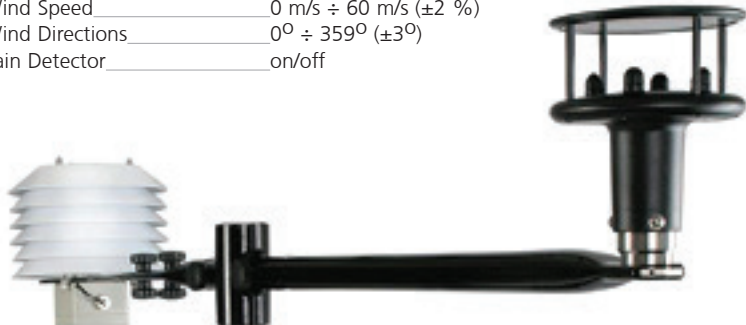
Data analysis & recalculations	Leq, SEL, Min, Max, Lmin, Lmax, Max(Max), Max(Peak), Ltm5, Tm5 Total RMS, Total VDV, Vector (RMS & Peak), Lmin, Lmax, Max(Max), Max(peak) Statistics (LN, histogram) Day / evening / night noise level Markers for event identification Spectrum averaging, Min, Max, Peak Peak and harmonics detection in FFT result files Tonality analysis based on FFT or 1/3 octave result files Impulsivity analysis according to UNI/BS 9432:2002
Data management:	Projects (results, views, calculations, pictures and other files) Time history data cutting Saving views on data Reporting with schemes (Microsoft Word™ required)

SvanPC++ Remote Communication module (option)

Supported connection	GPRS modem (Siemens™ T65 or Centrino™) Wi-Fi / LAN (MOXA™) Bluetooth™ USB
Supported operations	On-demand and automatic remote data download Measurement status monitoring, system check, alerting Remote system configuration CSV and HTML data publishing

Meteo Data SV 205A (option)

Temperature Range	-40 °C ÷ 124 °C (±0.3 °C)
Ambient Pressure Range	150 hPa ÷ 1150 hPa (±5 hPa)
Humidity	0 % ÷ 100 % (±2 %)
Wind Speed	0 m/s ÷ 60 m/s (±2 %)
Wind Directions	0° ÷ 359° (±3°)
Rain Detector	on/off

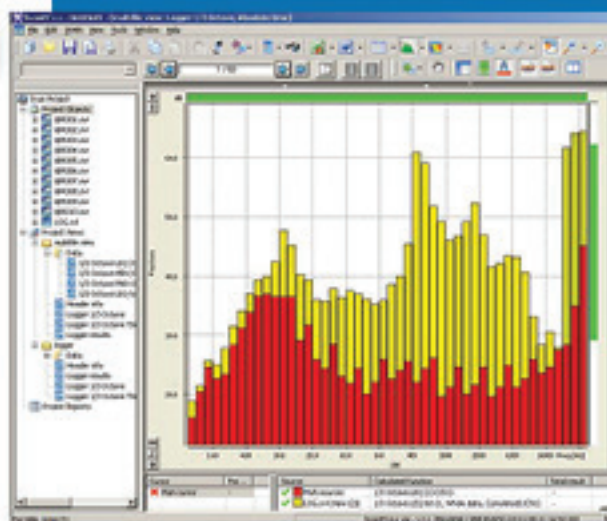


Continuous product development and innovation are the policy of our company. Therefore, we reserve the right to change the specifications without prior notice.

Environmental Monitoring Module (SvanPC++_EM)

The module is designed for post processing of data recorded by Svantek instruments offering:

- Advanced search tools for noise event recognition. Identified results can be used for recalculation or can be removed from the time-history
- EM calculator - a powerful tool that allows data recalculation in defined time periods with selectable time steps. Each calculation scenario can be saved and recalled with a single button click
- Reporting tool - report templates (Microsoft Word™ required)
- Projects - for combining data from multiple files, data comparison and saving the views on data



DISTRIBUTOR:

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