SVAN 971
Sound Level Meter & Analyser

The SVAN971 is an extremely small Type 1 Sound Level Meter with options for 1/1 & 1/3 octave analysis. The instrument brings unprecedented state of the art technology to a SLM of this size.
The instrument's new user interface makes both configuration and measurement easier than ever before. For those who don't have time to work with measurement settings, SVAN 971 offers extremely simple operational mode with Start/Stop. This innovation makes the SVAN 971 an ideal choice for many applications including industrial hygiene noise, short term environmental noise, acoustic consultants, technical engineers and general noise measurements.
Another exceptional feature is built-in self-vibration monitoring providing information about level of vibration that influences the measurement results.
The SVAN 971 provides broadband results with all required weighting filters plus 1/1 octave & 1/3 octave band filters. It also offers an incredible time history logging capability providing broad band results and spectra with adjustable double (long and short) logging steps. Triggered audio recording is also available whilst logging complete functionality.
Data is stored on a µSD card and can be easily downloaded to a PC using the provided SvanPC++ software over either USB or RS 232 interfaces.
The instrument can be easily calibrated in the field using an acoustic calibrator. Insertion of the microphone into a calibrator automatically activates the calibration process and the calibration history is automatically logged.
New PC software Supervisor+ will help SVAN 971 owners to organize data from number of measurements and create measurement reports in a quicker and more efficient way than ever before.

FEATURES

- Low-cost Type 1 sound level meter meeting IEC 61672:2002
- Intended to 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 profiles
- 1/1 or 1/3 octave real-time analysis
- Advanced time-history logging
- MicoSD memory card
  providing almost unlimited logging capacity
- Acoustic dose measurements
- Voice comments recording
- Self-vibration monitoring
- Revolutionary pocket size & light weight ca 225 grams
- OLED color display with super brightness and contrast
- Very robust casing and IP65 protection level
- Supervisor+ software

SVANTEK
continuous innovation

INSTRUMENTATION FOR SOUND & VIBRATION MEASUREMENTS

TECHNICAL SPECIFICATIONS

SOUND LEVEL METER

Standards	Type 1: IEC 61672-1:2002
Weighting Filters	A, C, Z
Time constants:	Slow, Fast, Impulse
RMS Detector	Digital True RMS detector with Peak detection, resolution 0.1 dB
Microphone	ACO 7052E, 35 mV/Pa, prepolarised 1/2" condenser microphone
Calibration	Automatic calibration @ 114dB/1kHz
Preamplifier	Integrated
Measurement Range	15 dBA RMS ÷ 140 dBA Peak
Internal Noise Level	less than 15 dBA RMS
Dynamic Range	>110 dB
Frequency Range	10 Hz ÷ 20 kHz
Meter Mode Results	SPL, Leq, SEL, Lden, Ltm3, Ltm5, LMax, LMin, LPeak plus "running Leq" up to 60minute. Simultaneous measurement in three profiles with independent set of filters and detectors
Statistics	Ln (L1-L99), complete histogram in meter mode
Data Logger	Time-history logging of summary results, spectra with adjustable double (long and short) logging steps down to 1s
Audio Recording	Voice comments on manual trigger

NOISE DOSIMETER

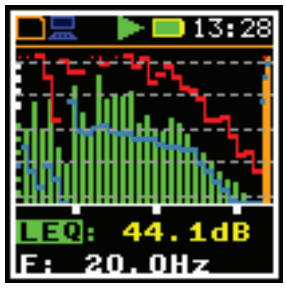
Dosimeter Mode Results	SPL, Leq, SEL, Peak, Dose, D-8h, Lav, SEL8, PSEL, E, E-8h, TWA, ' Peak Counter' and more Measurements simultaneous to the 1/1 or 1/3 octave analsysis Exchange Rate 2, 3, 4, 5, 6

SOUND ANALYSER

1/1 Octave Analysis	Real-time analysis meeting Type 1 requirements of IEC 61260, centre frequencies from 31.5 Hz to 16 kHz (option) available simultaneously with three profiles for broadband measurements (SLM), time history logging and audio recording
1/3 Octave Analysis	Real-time analysis meeting Type 1 requirements of IEC 61260, centre frequencies from 25 Hz to 20 kHz (option) available simultaneously with three profiles for broadband measurements (SLM), time history logging and audio recording

BASIC DATA

Ingress Protection Rating	IP 65 (excluding microphone)		
Input	Preamplifier (60 UNS thread)		
Memory	Micro SD card 4 GB (removable & upgradeable)		
Display	Colour 96 x 96 pixels OLED type		
Keyboard	8 push buttons		
Communication interfaces	USB 2.0 client		
	RS 232 cable (optional)		
Power Supply	Four AAA alkaline or rechargeable NiMH batteries		operation time 16h – 24h (depending on usage)
	USB interface		100 mA HUB
Environmental Conditions	Temperature	from -20 °C to 50 °C	
	Humidity	up to 95 % RH, non-condensed	
Physical Characteristics	Dimensions	232,5 mm x 56 x 20 mm (including microphone and preamplifier)	
	Weight	Approx. 225 grams with batteries	



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

SVANTEK

ISO 9001 CERTIFIED

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