

SVAN 971

Technical Specification

Sound Level Meter

Standards	Class 1: IEC 61672-1:2002
Weighting Filters	A, B, 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 @ 114 dB/1 kHz
Preamplifier	Detachable
Linear Operating Range	25 dBA RMS ÷ 140 dBA Peak (in accordance to IEC 61672)
Total Dynamic Measurement Range	15 dBA RMS ÷ 140 dBA Peak (typical from noise floor to the maximum level)
Internal Noise Level	less than 15 dBA RMS
Dynamic Range	>110 dB
Frequency Range	10 Hz ÷ 20 kHz
Meter Mode Results	SPL, L_{eq} , SEL, L_{den} , L_{tm3} , L_{tm5} , L_{Max} , L_{Min} , L_{Peak} plus "running Leq" up to 60 minutes Simultaneous measurement in three profiles with independent set of filters and detectors
Statistics	L_n (L_1 - L_{99}), complete histogram in meter mode
Data Logger	Time-history logging of summary results, spectra with adjustable double logging steps down to 100 s
Audio Recording	Audio events recording, trigger and continuous mode, 12 kHz sampling rate, wav format (option)
Voice Comments	Audio records on demand, created before or after measurement, added to measurement file

Noise Dosimeter

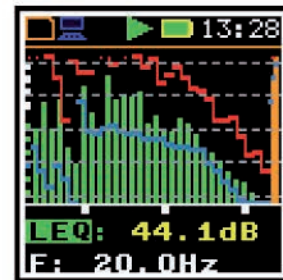
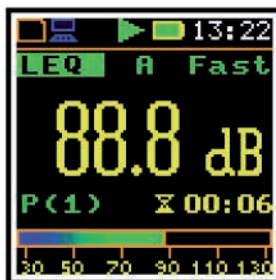
Dosimeter Mode Results	SPL, L_{eq} , SEL, L_{Peak} , Dose, D-8h, Lav, SEL8, PSEL, E, E-8h, TWA, 'Peak Counter' and more Exchange Rate 2, 3, 4, 5, 6 (option)
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Sound Analyser

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 20 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	MicroSD 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 16 h ÷ 24 h (depending on usage) USB interface 100 mA HUB
Environmental Conditions	Temperature from -10 °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.