

SVAN 955 Sound Level Meter

The SVAN 955 is all digital, Type 1 sound level meter. Instrument is intended to general acoustic measurements, environmental noise monitoring, occupational health and safety monitoring.

Three acoustic profiles allow parallel measurements with independently defined filters and RMS detector time constants. Each profile provides significant number of results (like L_{eq} , L_{Max} , L_{Min} , L_{Peak} , Spl , SEL etc.). Advanced time history logging for each profile provides complete information about measured signal in non-volatile 16 MB internal memory or external USB Memory Stick (option) and can be easily downloaded to any PC using USB interface and SvanPC+ software.

Acoustic dose meter function is also available as an option with the SV 25 dedicated microphone.

Fast USB 1.1 interface (12 MHz) creates real time link for the PC "front-end" application of the SVAN 955 instrument. The measurement results can be also downloaded to any PC using the RS 232 interface (option) or IrDA interface (option).

Instrument is powered from four AA standard or rechargeable NiMH batteries (separate charger is required). The powering of the instrument from the External DC power source or USB interface is also provided.

Robust and light weight design accomplishes the exceptional features of this new generation instrument.

FEATURES

- Type 1 sound level measurement
- Single measurement range
- Measurement range 25 dBA RMS ÷ 141 dBA Peak
- Three parallel independent profiles
- Advanced Data Logger, up to 12 results logged simultaneously (option)
- Time History recording on USB Memory Stick provides almost unlimited logging capacity (option)
- Acoustic dose meter (option)
- Advanced trigger and alarm functions
- USB 1.1 interface
(real time PC "front end" application)
- USB 1.1 Host interface (option)
- RS 232 and IrDA interfaces (options)
- Integration time programmable up to 24 h
- Power supply by four AA rechargeable NiMH or standard batteries
- Hand held, light weight and robust case
(only ca 600 grams including batteries)
- Easy in use



TECHNICAL SPECIFICATIONS

SOUND LEVEL METER

Standards	IEC 61672:2002, Type 1
Meter mode	L_{eq} , Spl , SEL , $L_{EP,d}$, L_{den} , L_{tm3} , L_{tm5} , Statistics - L_n (L_1 - L_{99}), L_{Max} , L_{Min} , L_{Peak} Simultaneous measurement in three profiles with independent set of filters and detectors
Weighting Filters	A, C and Z
RMS Detector	Digital True RMS detector with Peak detection, resolution 0.1 dB Time Constants: Slow, Fast, Impulse
Microphone	7052S_1, nominal sensitivity 22 mV/Pa, prepolarised 1/2" condenser microphone
Measurement Range	22 dBA RMS ÷ 141 dBA Peak (with 5 dB margin from noise level)
Frequency Range	20 Hz ÷ 20 kHz, sampling rate 48 kHz
Dynamic Range	120 dB
Internal Noise Level	less than 17 dBA RMS

Data Logger ¹	Time History logging of RMS / Max / Min / Peak results to internal memory or USB Memory Stick (USB Host option) with time step down to 10 ms. Up to 12 measurement results logged simultaneously (option)
Acoustic dose meter ¹	Acoustic dose meter meeting IEC 61252 with SV 25 microphone (option)

BASIC DATA

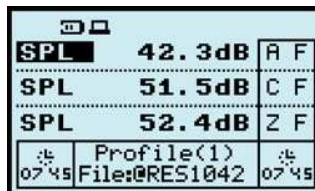
Input	IEPE with TNC connector (SV 12L IEPE preamplifier)	
Display	LCD 128 x 64 pixels plus icons with backlighting	
Memory	16 MB non-volatile flash type, external USB Memory Stick (option)	
Interfaces	USB 1.1 Client, USB 1.1 Host (option), RS 232 (with SV 55 option), IrDA (with USB Host option) External I/O - AC output (1 V Peak) or Digital Input/Output (Trigger - Pulse)	
Power Supply	Four NiMH rechargeable batteries (option) Four AA batteries (alkaline) SA 17A external battery pack External power supply USB interface	operation time > 16 h (4.8 V / 2.6 Ah) ² operation time > 12 h (6.0 V / 1.6 Ah) ² operation time > 24 h (option) ² 6 V DC ÷ 15 V DC (1.5 W) 500 mA HUB
Environmental Conditions	Temperature Humidity	from -10 °C to 50 °C up to 90 % RH, non-condensed
Dimensions	335 x 82 x 42 mm (with microphone and preamplifier)	
Weight	Approx. 0.6 kg with batteries	

¹each function parallel to the meter mode

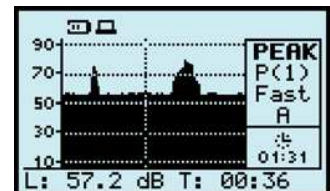
²with USB 1.1 Host function not active and backlight off



Main result in one profile view



Main results in 3 profiles view



Time history plot

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

DISTRIBUTOR:



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