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KAN Komite Akreditasi Nasional No LPK : LK-234-IDN ISO 17025

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SV 973

Class 2 Sound Level Meter and Sound Exposure Meter

SV 973 adalah alat untuk mengukur kebisingan class 2 yang sudah disertai dengan teknologi MEMS (Micro Elektro Mechanical System) yang memberikan jaminan kerusakan microphone seumur hidup. Dilengkapi perangkat lunak secara gratis akan memudahkan Anda dalam membuat laporan.

Fitur Unggulan :

- **+ Class 2**
- **+ Bluetooth**
- **+ Octave Band**
- **+ OLED Display**
- **+ Graphic Feature**
- **+ Data Logger**
- **+ Voice Comments**
- **+ MEMS Technology**

REGULASI

Peraturan Menteri Ketenagakerjaan Republik Indonesia
Nomor 5 Tahun 2018
tentang Keselamatan dan Kesehatan Kerja lingkungan kerja

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SV 973 Technical Specifications

Sound Level Meter

Standards	Class 2: IEC 61672-1:2013
Weighting Filters	A, C, Z
Time Constants	Slow, Fast, Impulse
RMS Detector	Digital True RMS detector with Peak detection, resolution 0.1 dB
Microphone	ST 973 MEMS microphone in 1/2” housing
Preamplifier	Integrated
Total Dynamic Range	25 dBA RMS ÷ 128 dBA Peak (typical from noise floor to the maximum level)
Linear Operating Range	32 dBA RMS ÷ 128 dBA Peak (in accordance to IEC 61672)
Internal Noise Level	Less than 25 dBA RMS
Frequency Range	20 Hz ÷ 10 kHz
Meter Mode Results	Elapsed time, Lxy, Leqx (LEQ), Lxpeak (PEAK), Lxymax (MAX), Lxymin (MIN), LEx, Lden, LEPd, Ltm3, Ltm5, where x - weighting filter A/ B/ C/ Z; y - time constant Fast/ Slow/ Impulse EX (expected LEQ value), SD (standard LEQ deviation), OVL (overload time %).
Measurement Profiles	Simultaneous measurement in three profiles with independent set of filters (x) and detectors (y)
Statistics	Ln (L1-L99), complete histogram in meter mode
Data Logger1	Time-history logging of summary results, spectra with two adjustable logging steps down to 100 ms
Audio Recording1 (optional)	Audio events recording, trigger and continuous mode, 12 kHz sampling rate, WAV format
Voice Comments	Audio records on demand, created before or after measurement, added to measurement file

Sound Exposure Meter

Total Dynamic Range	43 dBA RMS ÷ 141 dBA Peak (typical from noise floor to the maximum level)
Linear Operating Range	50 dBA RMS ÷ 141 dBA Peak (in accordance to IEC 61672)
Frequency Range	20 Hz ÷ 10 kHz
Exchange Rates	2, 3, 4, 5, 6
Measurement Results	Lxy, Leqx (LEQ), Lxpeak (PEAK), Lxymax (MAX), Lxymin (MIN), LEx, Lden, LEPd, Ltm3, Ltm5, Ln (Leq statistics), where x - weighting filter A/ C/ Z; y - time constant Fast/ Slow/ Impulse Lc a, DOSE, D_8h, PrDOSE, LAV, LAE8 (SEL8), PLAE (PSEL), E, E_8h, PTC (peak counter), PTP (peak threshold),ULT (upper limit time), TWA, PrTWA, EX (expected LEQ value), SD (standard LEQ deviation),OVL (overload time %).

Frequency Analyser

1/1 Octave Analysis Filters	Real-time analysis meeting Class 1 requirements of IEC 61260-1:2014, centre frequencies from 31.5 Hz to 8 kHz (optional)
1/3 Octave Analysis Filters	Real-time analysis meeting Class 1 requirements of IEC 61260-1:2014, centre frequencies from 20 Hz to 10 kHz (optional)

General Information

Memory	Built-in 8 GB memory	
Display	Colour 96 x 96 pixels OLED type	
Keyboard	8 push buttons	
Communication Interfaces	USB 2.0, Bluetooth® 4.2	
Power Supply	Four AAA alkaline or rechargeable NiMH batteries (not included) operation time 16 hours	
Environmental Conditions	Temperature	from -10 °C to 50 °C
	Humidity	up to 95 % RH, non-condensed
Physical Characteristics	Dimensions	235 mm x 56 x 20 mm with microphone
	Weight	Approx. 225 grams with batteries

Aplikasi dan Market :


Minyak dan Gas


Laboratorium Jasa


Pertambangan


Perkantoran


Kontraktor


Industri Farmasi


Rumah Sakit

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