SoundPro™ Sound Level Meters

SE/DL Series

Instrumen ini dilengkapi tampilan layar besar yang memungkinkan analisis frekuensi waktu nyata, dan kemampuan penyimpanan data yang memudahkan pasca-pemrosesan dan mengevaluasi tingkat kebisingan di tempat kerja.

Fitur

- **Memenuhi standar ANSI dan IEC**
- **Tersedia dalam Presisi Kelas/Tipe 1 atau Kelas/Tipe 2**
- **Pengukuran berbobot A dan berbobot C secara bersamaan Mulai dan berhenti yang dapat diprogram dan dipicu level**
- **Pembobotan frekuensi A, C dan Z (datar).**
- **Respon waktu impuls cepat, lambat, dan IEC**
- **Ambang batas yang dapat dipilih 10 dB – 140 dB**
- **Nilai tukar 3, 4, 5, 6, dB**
- **Papan tombol berpendar dan layar dengan lampu latar**
- **Slot kartu memori SD**
- **Port komunikasi USB dan output serial RS-232**
- **Tampilan dapat disesuaikan dalam berbagai bahasa**
- **Pencatatan data riwayat waktu dengan 1 detik**

Aplikasi

- **Evaluasi kebisingan di tempat kerja**
- **Penilaian kebisingan lingkungan**
- **Penegakan peraturan kebisingan dan metrologi legal ▪ Analisis umum suara dan frekuensi**
- **Evaluasi kebisingan kendaraan**
- **Membangun akustik**
- **Evaluasi peralatan bergerak**

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

Your Connection for Occupational Health, Safety & Environmental Monitoring

Sensor specifications

General

Display Languages	English, French, Spanish, German, Italian and Portuguese
User Interface	10 pushbuttons and 4 soft keys, menu driven
Display Type	Transflective 128 X 64 Dot Matrix LCD with additional backlighting

Conformance to Standards

	EMC Requirements EN/IEC 61326-1(2005) Group 1, Class B Emissions/Industrial Location Immunity. CFR:47 (2008) Part 15 - Meets FCC Class B Emissions
	Performance Requirements EN/IEC 61672-1(2002), ANSI S1.4 (R2006), ANSI S1.43(R2007), EN/IEC 61260 (2001), ANSI S1.11 (R2009), (also meets requirements of former standards IEC 60651 and 60804)
Safety Requirements	IEC60268-16 (2003) with Speech Intelligibility option
Certifications	IEC61010-1 (2010)
	CE Mark, WEEE, RoHS

Physical Characteristics

Size	3.1”W x 11.1”H x 1.6” thick (with preamp & microphone); 7.9 cm x 28.2 cm x 4.1 cm
Weight	0.54 kg or 1.2 lbs. (including batteries)
Housing	Stainless fiber filled ABS polycarbonate with additional internal EM/RFI shielding
Tripod Mount	Standard photographic mount on rear accepts ¼”- 20 screw threads

Logging and Storage

Logging	DL Models only. LMax, LMin, LPk(peak), LN, LEQ/ LAVG may be logged at 11 selectable intervals from one second to 60 minutes to the included SD (secure digital) memory card. Use TSI Quest Detection Management Software DMS to interpret data files
Summary Data	All session/study data is stored to the SD card. Summary data may be interpreted with TSI Detection Management Software DMS, or exported to spreadsheet or XML file with an available
Memory	Accepts 32 MB to 32 GB SD memory cards. Card included with all models and stores mult summary sessions/studies and for setup

Environmental

Temperature	Operating -10ºC to +50ºC (<± 0.5 dB effect); Storage -25ºC to +70ºC
Humidity	10% to 90% RH, non-condensing
External Fields	Electric – 10 V/meter, 1 kHz modulated, 30 MHz – 1 GHz,<55 dBC; magnetic - 80 A/m, 50/60 Hz, no significant effect

Measurements

Parameters	SPL, LMax, LMin, LPk(peak), LEQ/LAVG, SEL, LN (selectable L1 to L99), TWA, Taktm, Taktmx, Dose, PDose, Exposure (Pa2H/Pa2S), LDN, CNEL, PTWA, LC-A
Ranges	120 dB+ (A-weighted) total dynamic measurement range over 8 individual ranges of 90 dB (A-weighted) each (with filters - 80 dB ranges); overall measurement range 0 dB to 140 dB
Peak Range	Up to 143 dB using standard BK4936 microphone; higher with optional microphones and preamps
Frequency Weighting	A, C, Z and F (Flat)
Response Time	Fast, Slow, IEC Impulse
Exchange Rates	3, 4, 5, and 6 dB
Criterion Level	40 to 100 dB
Upper Limit Time Logging	10 to 140 dB selectable
Run Modes	Level triggered run/pause, clock/date triggered power on and run for programmed duration, external logic input run/pause, and keypad initiated run/pause for programmed duration
Measurement References	SPL: 114 dB Frequency: 1 kHz Direction: 0degrees using free-field response microphone

Aplikasi dan Market :

- Minyak dan Gas
- Laboratorium Jasa
- Pertambangan
- Perkantoran
- Kontraktor
- Industri Farmasi
- Rumah Sakit

International Organization for Standardization ISO 17025 ACCREDITED LABORATORY

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