LARSON DAVIS
A PCB PIEZOTRONICS DIV.







MODEL **SOUNDTRACK LXT®**

SOUND LEVEL METER

- Simple Operation – with just one hand!
- 30 hours operation using AA Lithium batteries
- 1/1 and 1/3 octave digital filters
- Extremely rugged – compact and lightweight
- Available in Class 1 or Class 2
- Multi-language for global compatibility
- Equipped with G4 LD Utility Software

MEASUREMENTS

- Real-time broadband display
- Real-time octave and 1/3 octave filters
- L_{eq} (average w/ 3 dB exchange rate)
- TWA
- Logging
- L_{max} / L_{peak}
- Multiple dose and exposure calculations
- Time stamping of relevant metrics

WORKPLACE NOISE SAMPLING

Over the years, various types of Sound Level and Octave Band Meters have been used by Industrial Hygienists and Safety Professionals for monitoring workplace noise, most requiring significant operator training and producing varying degrees of effectiveness. At Larson Davis, we believe this is because until now, Sound Level Meters were designed primarily for use by Acoustical Engineers, not for Safety and Health professionals.

The SoundTrack LxT® Sound Level Meter was developed to meet the unique needs of those involved in workplace noise exposure assessment and plant noise surveys. It is fully compliant with IEC and ANSI standards for class 1 or class 2 sound level meters. In addition, LxT files are fully compatible with the ISO 9612:2009 measurement strategies for task or job-based measurements.

With its sleek ergonomic design to its exceptional exposure data presentations, the SoundTrack LxT® is the perfect tool for gathering, analyzing, and presenting detailed noise environment data quickly, easily, and concisely. New and better ways to organize your sampling methodology and annotate noise survey data save incredible amounts of time and provide better results – all at a price that won't consume your entire instrumentation budget.

CE

SOUNDTRACK LXT®

EASY TO USE, YET POWERFUL!

With its superior ergonomics and rugged compact design, SoundTrack LxT® allows you to capture the data you need while keeping one hand free – invaluable for juggling multiple tasks in hard-to reach locations. Once a test starts, LxT automatically performs all the necessary calculations of workplace exposure – to multiple compliance standards. With the ability to 'hide' display screens that are not relevant to your sampling strategy, the LxT is configurable for maximum utility and ease-of use. Add in the "Store when Stable (Leq)" feature and selective keypad lockout, and you can comfortably hand off the SoundTrack LxT® to minimally trained technicians with assurance of a positive outcome. No more skipped locations, questionable results, and missing data points.

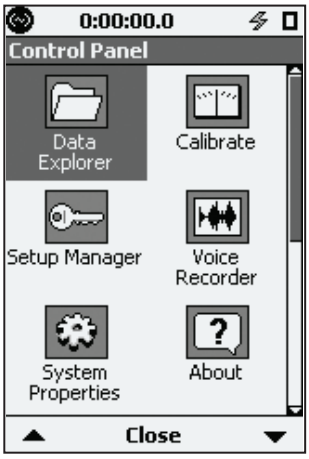


DIGITAL VOICE ANNOTATION

Now you can record your own observations about the environment, the worker and tasks performed, or even whether proper hearing protection is worn – all at the push of a button, using the Digital Voice Note Recording option and included headset microphone. At the end of the day, recorded notes can be played back right from your PC – they are digitally stored with related noise data and exposure calculations for future reference.

AVAILABLE REAL-TIME OCTAVE BAND FREQUENCY ANALYSIS

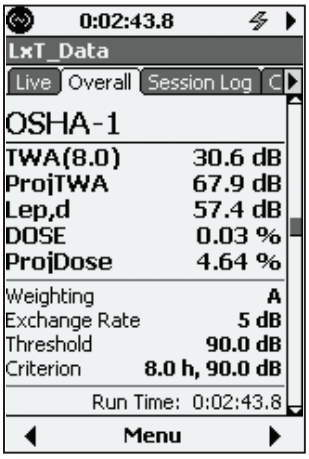
With optional 1/1 or 1/3 Real-Time Octave Band Frequency Analysis, the SoundTrack LxT® quickly captures frequency band data, because all Octave (or 1/3 Octave) measurements are performed simultaneously. No more tedious "stepping through" each Octave Band, as in the past – all data is captured from virtually the same point in time; which is vital for maximum accuracy in a varying noise environment. What's more, you'll save significant amounts of time performing Octave Band measurements, which are an important part of determining effectiveness of Engineering Controls or selecting proper hearing protection devices (HPD's).



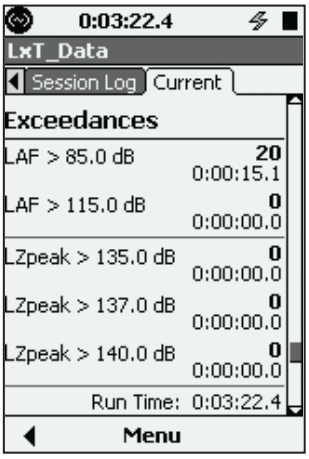
Familiar Controls for Ease-of-use



Large Numeric Display



Virtual Noise Dosimeters



User-Selectable Threshold Counters

GENERATE CLEAR, CONCISE REPORTS

LD Utility G4 PC software is an indispensable tool for generating the type of data reports and presentations you will be proud to share with your colleagues, your workforce, and management. Color-rich graphic summary reports provide a picture of the noise environment with only the most relevant numeric data values, allowing everyone to quickly understand the nature of the noise exposure. With super-fast USB connection, you will go from measurement to finished report in seconds. By accessing the more advanced features, you will be able to provide in-depth analysis of the noise environment with graphical editing and automatic computation of summary noise metrics. Copy and paste functions allow for inclusion of data into other report formats, and for the most advanced users and research teams – a simple export function allows instant and automatic interface to Microsoft Excel®.



Whether you like a one-page illustrated compliance report or a detailed breakdown of noise data, LD Utility G4 delivers effortlessly and supports other Larson Davis products like Spartan 730 Noise Dosimeters and the HVM200 Vibration Exposure monitoring system. With our software, you will never be hit with recurring licensing fees or other additional costs, should you choose to install SLM Utility G4 on other data access devices within your organization.



INDUSTRIAL HYGIENE SOLUTIONS

PERSONAL NOISE DOSIMETERS

- Truly wireless – with wireless charging and Bluetooth communication
- Full control and live monitoring via LD Atlas™ app
- Download and view measurements, generate reports, and share annotated data from the app
- Built-in bump and motion detection

HUMAN VIBRATION METERS

- Ideal for hand-arm, whole body, and general vibration
- Control and view data from LD Atlas mobile app
- Meets ISO criteria and EU directives
- Range of mounting adaptors and application optimized accelerometer



SPECIFICATIONS

Integrating Sound Level Meter - Time weighting: Slow, Fast, Impulse, TWA, Peak (peak has independently selectable frequency weighting) Frequency weighting: A, C, & Z, Octave, Fractional Octave (with OBA options). The SoundTrack N/Forcer comes with the next generation G4 LD Utility Software.

		LxT1	LxT2	LxT1L with optional LOW RANGE Pre-amp	LxT2L with optional LOW RANGE Pre-amp
Measurement Range (dB SPL)	A	39 to 140	39 to 140	27 to 118	27 to 118
	C	39 to 140	39 to 140	29 to 118	29 to 118
	Z	44 to 140	44 to 140	34 to 118	34 to 118
Dynamic Range (A-weighted)		29 to 140 dB SPL	29 to 140 dB SPL	17 to 118 dB SPL	17 to 118 dB SPL
SPL Maximum Level		140 dB SPL	140 dB SPL	118 dB SPL	118 dB SPL
Peak Level		143 dB	143 dB	121 dB	121 dB
Measurements (Qty)		SPL, Leq, TWA (2), Lmin, Lmax, Lpeak, Lpeak (max), Dose (2), Proj. Dose (2), Lep,d, E, E8, E40, SEA, Ln (6), Event Counters (3); (2 RMS, 3 Peak)			
Flash Data Storage		2GB standard			
Communication		to PC via USB			
Display		High-contrast, monochrome, black on white, ⅛ VGA 160 x 240 dot graphics, 4-level grey-scale, bright white LED backlighting			
Keypad		Silicone elastomer “quiet touch” with tactile feedback, 4 dedicated function keys, 3 context soft-keys, and 5 navigation keys			
Power					
Internal		4 AA cells, 1.5 volts each; Alkaline, NiMH, or Lithium			
External		5.0 VDC ±5%, 500 mA maximum, USB powered			
Battery Life		Approximately 22 hours (alkaline cells), 30 hours (Lithium cells), depending on usage			
Physical					
Dimensions (L x W x D)		8.8" x 2.8" x 1.6" (22.4 cm x 7.1 cm x 4.1 cm), 11.5" L (29.2 cm) with preamplifier and microphone			
Weight		1.0 lb (471 g), 1.1 lb (513 g) with preamplifier and microphone			
Environmental					
Operating Temperature		14 to 122 °F (-10 to 50 °C)			
Storage Temperature		-22 to 140 °F (-30 to 60 °C)			
Humidity		up to 95% non-condensing			
International Protection Rating		IP 54			
Compliance					
ANSI		S1.4-2014, S1.25-1991 (R 2007), S1.11-2004			
IEC		61672-1: 2013, 61672-2002, 60651-2001, 60804-2000, 61260-2001, 61252-2002			
CE		Directive 2004/108/EC, IEC 61326-1:2005			

OPTIONS AND ACCESSORIES

Firmware Options	
LXT-LOG	Time History Data Logging
LXT-HSLOG	High Speed Logging Option (to 100 ms)
LXT-ENV	Measurement History (intervals)
LXT-CN	Community Noise, Ldn and Lden
LXT-DVA	Digital Voice Annotation
LXT-OB1	1/1 Octave Real Time Filters
LXT-OB3	1/1 and 1/3 Octave Real Time Filters
Accessories	
LXT-ACC	Type 1 Accessory Kit – hard shell case, CAL200 calibrator, USB cable, AC adapter, windscreen and Utility Software
LXT-ACC1	Type 2 Accessory Kit – Hard shell case, CAL150 calibrator, USB cable, AC adapter, windscreen and G4 LD Utility software
LXT-CCS	Hard Shell Carrying Case
CAL150	Type 2 Microphone Calibrator
CAL200	Type 1 Microphone Calibrator
SWW-DNA	Advanced Analysis Software
SWW-DNA-LXT	DNA Instrument Driver for Model LxT
LXT-RPT	Full test report for new LxT

ORDERING INFORMATION

LXT1	Class 1 SoundTrack LxT with preamplifier and free field microphone
LXT1L	Class 1 SoundTrack LxT with low range option, preamplifier, and free field microphone
LXT1-RI	Class 1 SoundTrack LxT with preamplifier and random or diffuse field microphone
LXT1L-RI	Class 1 SoundTrack LxT with low range options, preamplifier, and random or diffuse field microphone
LXT1B	Class 1 SoundTrack LxT meter only. Does not include preamplifier or microphone.
LXT1-QPR	Class 1 SoundTrack LxT configured with ¼" microphone for measuring high level sound (> 160 dB)
LXT1-NFR-PK1	Class 1 N'Forcer Kit – includes SoundTrack LxT, CAL200 calibrator, portable printer, preamplifier, free field microphone, windscreen, and padded carrying case
LXT2	Class 2 SoundTrack LxT with preamplifier and free field microphone
LXT2L	Class 2 SoundTrack LxT with low range option, preamplifier, and free field microphone.
LXT2B	Class 2 SoundTrack LxT meter only. Does not include preamplifier or microphone.
LXT2-NFR-PK1	Class 2 N'Forcer Kit – includes SoundTrack LxT, CAL150 calibrator, portable printer, preamplifier, free field microphone, windscreen, and padded carrying case

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Larson Davis offers a full line of noise and vibration measurement instrumentation such as Class 1 and 2 sound level meters, outdoor noise monitoring systems, personal noise dosimeters, human vibration meters, audiometric calibration systems, microphones and preamplifiers, and data analysis software. Instrumentation is used in community and environmental noise monitoring, measurement of building acoustics, managing worker exposure to noise and vibration, and various automotive, aerospace, and industrial applications. Larson Davis is a division of PCB Piezotronics, Inc., a wholly owned subsidiary of MTS Systems Corporations.

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MTS SENSORS

MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), vastly expanded its range of products and solutions after MTS acquired PCB Piezotronics, Inc. in July, 2016. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corp.; IMI Sensors and Larson Davis are divisions of PCB Piezotronics, Inc.; Accumetrics, Inc. and The Modal Shop, Inc. are subsidiaries of PCB Piezotronics, Inc.