







SERIES 821

SPARTAN SOUND LEVEL METER

- Easy-to-navigate, responsive, touch display
- Available as Class 1 (Model 821IH) or Class 2 (Model 721IH) Meter
- Built-in workplace noise dose and exposure metrics
- Wireless charging and data download
- Long battery life, up to 40 hours
- Optional 1/1 and 1/3 Octave Filters
- Languages supported: English, Français, Italiano, Português, Español

TYPICAL APPLICATIONS

- Site Surveys
- Work Site Noise Maps
- Workplace Noise Exposure Measurements
- Tasked-based Noise Measurements
- Job-based Noise Measurements

WORKPLACE NOISE MEASUREMENT

Designed for the Occupational Safety professional, Spartan Sound Level Meter Model 821 includes everything needed to simplify workplace noise level and noise exposure measurements. Spartan's rugged packaging makes it ideal for measurements in a wide range of environments.

The Spartan Model 821 includes a large, responsive touch display with all of the essentials for measuring workplace noise, offering

- A, C, and Z frequency weightings
- F, S, and I time weightings
- Full featured data logging

Spartan is ideal for site surveys and task-based noise exposure measurements like those outlined in ISO 9612. Built-in noise dose and LEX metrics simplify job-based noise exposure measurements.

Included G4 LD Utility software provides automatic wireless or USB data download, and convenient data storage options mean all data is available in a single results file. View tabular data, visualize results on a graph, create custom reports, and export data to a variety of formats.

The Spartan Sound Level Meter Model 821 together with Larson Davis quality and customer support delivers a robust and reliable workplace noise measurement solution.

CONFIGURATIONS				
MODEL	721IH	721IH-D	821IH	821IH-D
Class	2	2	1	1
Time History Logging	✓	✓	✓	✓
Measurement History	✓	✓	✓	✓
Dosimetry	✓	✓	✓	✓
OBA (1/1 and 1/3 Bands)	Optional	✓	Optional	✓

GENERAL Dynamic Range (A-weighted typical) 17 to 140 dB Time Weightings Fast, Slow, & Impulse Frequency Weightings A, C, & Z Data Storage (microSD card) Up to 32 GB (µSDHC) and 256 (µSDXC) Communication USB-C, Bluetooth BLE 4.1 Display 480 x 800 color with capacitive touch Power Internal Lithium battery, USB-C or external 12 V Power Qi Wireless, USB-C, or external 12 V Typical Runtime (internal battery @ 22 °C) 15 hours (display off) External Power 6 V to 24 V DC (720 mW typical with display off) Logging Time history: 1 s to 1 h Measurement History: 1 min to 6 h Leq, Lmax, Lmin, Lpeak, Ln (6 values), Time above 1/1 and 1/3 Octave Metrics (Optional) Leq, Lmax, Lmin Operating Temperature -30 to 60 °C Dimensions (H x W x D) 260 x 83 x 32 mm Weight 12.1 oz (383 g) FILTERS (OPTIONAL) ANSI S1.11-2014 Class 1 Bandwidth 1/1: 8 Hz to 16 kHz 1/3: 6.3 Hz to 20 kHz ANSI S1.11-2014 Class 1 Standards Compliance ANSI S1.1-2014 Class 1 IEC 61672-1:2013 Class 1 1EC 61672-1:2	SPECIFICATIONS				
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Battery Recharge Qi Wireless, USB-C, or external 12 V Typical Runtime (internal battery @ 22 °C) External Power Logging Metrics 1/1 and 1/3 Octave Metrics (Optional) Signal Output Operating Temperature Dimensions (H x W x D) Weight Frequencies (base 10) Standards Compliance Acoustic Avive 1/2 Models: ANSI S1.4-2014 Class 2, IEC 61672-1:2013 Class 2 1/2 Models: ANSI S1.4-2014 Class 1, ISB hours (display off) 1/2 Wireless, USB-C, or external 12 V All hours (display off) 15 hours (display off) 16 V to 24 V DC (720 mW typical with display off) Time history: 1 s to 1 h Measurement History: 1 sto 1 h Measurement History: 1 sto 1 h Measurement History: 1 s	Display	480 x 800 color with capacitive touch			
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Operating Temperature -30 to 60 °C Dimensions (H x W x D) 10.1 x 3.3 x 1.3 inches 260 x 83 x 32 mm Weight 12.1 oz (383 g) FILTERS (OPTIONAL) Bandwidth 1/1 and 1/3 Octaves Frequencies (base 10) 1/1: 8 Hz to 16 kHz 1/3: 6.3 Hz to 20 kHz Standards Compliance ANSI S1.11-2014 Class 1 IEC 61260:2014 Class 1 STANDARDS 721 Models: ANSI S1.4-2014 Class 2, IEC 61672-1:2013 Class 2 IEC 61672-1:2013 Class 2 Bandwick 821 Models: ANSI S1.4-2014 Class 1,		Leq, Lmax, Lmin			
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Dimensions (H x W x D) 260 x 83 x 32 mm	Operating Temperature	-30 to 60 °C			
### FILTERS (OPTIONAL) Bandwidth	Dimensions (H x W x D)				
Bandwidth	Weight	12.1 oz (383 g)			
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STANDARDS IEC 61260:2014 Class 1	Frequencies (base 10)	.,			
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	Acoustic	IEC 61672-1:2013 Class 2 821 Models: ANSI S1.4-2014 Class 1,			
Noise Dosimetry ANSI \$1.25-1991 IEC 61252:2017	Noise Dosimetry				
Directive 2014/35/EU Safety IEC 61010-1:2010 RoHS Directive 2011/65/EU	Safety	IEC 61010-1:2010			
Approvals CE, RoHS, WEEE	Approvals	CE, RoHS, WEEE			

INCLUDED ACCESSORIES				
DESCRIPTION	MODEL			
Free-field Microphone (50 mV/Pa)	721 Models: 375A04 821 Models: 377B02			
Preamplifier	721 Models: PRM721 821 Models: PRM821			
USB-C Cable	CBL242-03			
Software	G4 LD Utility			

MODEL
BAT026
CBL226-1/2
CBL241-01
PSA045
CCS060
PSA046
TRP025
X21-ACC
X21-ACC1
X21-0B3
X21-NBT
X21-SD-8GB
EXC series



Meter Ports



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