



Digital Sound Pressure Level Meter

Model SPLM



Description The Bogen SPLM is a digital sound pressure level meter used to measure SPL in decibels, from 30 to 130 dB. It is portable, easy to use, and ideal for measuring and monitoring noise and sound in any environment. The unit can be used for independent on-site readings or set to monitor and measure dB variances in an area over a period of time. When connected to a PC or laptop, and using SoundLAB software (downloadable for free), you can analyze the recorded measurements.

- Features**
- Removable windscreen filters out wind noise
 - 1/2" Condenser microphone
 - Large 2-1/8" LCD screen with 4-digit readout
 - Resolution: 0.1 dB
 - Automatic backlight with Light sensor
 - AC analog signal output jack
 - Pulse Width Modulation (PWM) output jack
 - Fast/Slow time weighting selections
 - Wide measuring range: 30 to 130 dB, including selectable 50 dB dynamic ranges
 - Calibration potentiometer
 - Bar graph and over/under indication
 - A/C Frequency weighting selections
 - MAX value hold function to lock maximum reading
 - Data record function, with data full indicator
 - Fixed screw mount for tripod use
 - USB jack for connection to PC for data record downloading, real-time data sampling analysis, and printing graph and data functions (requires software download from Bogen website)
 - Calendar function (year, month, date) for dB recordings
 - Time display (hour, minute, second)
 - Requires 4 AA batteries (included), with on-screen battery life indicator
 - 10-Minute auto power off
 - On/Off power button
 - Designed to IEC 651 Type2 and ANSI S1.4 Type2 standards
 - Carrying case included

Technical Specifications

Measurement Range	30 to 130 dB(A/C)
Measuring Level Ranges	30 to 80, 50 to 100, 60 to 110, 80 to 130, 30 to 130 dB(A/C)
Accuracy	+/- 1.5 dB (reference sound pressure standard, 94 dB @ 1 kHz)
Frequency Response	31.5 Hz to 8.5 kHz
Resolution	0.1 dB
Dynamic Range	50 dB/100 dB (dependent on range)
Overload Indication	OVER / UNDER
Frequency Weighting	A and C
Time.....	Fast and Slow
Digital Display	4 Digits
Analog Bar Graph.....	1 dB / bar (2 dB/bar for 30 to 130 range)
Sampling Rate	0.05 seconds
AC Signal Output	4 VRMS @ full bar graph, output impedance 600 ohms (3.5 mm connector)
PWM Signal Output	$\frac{\text{Duty}}{\text{Cycle}} = \frac{0.01 \times \text{dB Value}}{3.3} \times 100\%$ (3.5mm connector)
Calendar Accuracy	+/- 30 seconds per day
Data Storage Quantity	4700 Points
Auto Power Off.....	10 minutes of no activity
Microphone Type	1/2-inch Condenser
Power Requirements	4 AA alkaline battery (included), or 6V external
Dimensions	2-3/4" W x 9-3/8" H x 1-3/8" D
Product Weight.....	11 ounces (with batteries)
Battery Life.....	10 hours continuous use (alkaline batteries)



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