

SL100 Sound Level Meter

- ANSI & IEC 651 Type 2 standards
- 3-1/2 digit LCD display
- A&C frequency weighting
- 0.1dB resolution
- Maximum hold function
- Internal calibration check
- Fast and slow response
- Analog output jack

**SL100****B850 Audio Generator**

- Wide 10Hz to 1MHz Frequency range
- Low distortion Sine wave and Square wave output
- Lightweight, Rugged construction
- Frequency setting via large frequency dial
- Ideal for classroom or audio bench

**B850****SPECIFICATIONS****[SL100]****Measurement Ranges****Frequency:** 31.5Hz to 8KHz**Decibel:**

A Lo: Weighting: 35 to 100dB

A Hi: Weighting: 65 to 130dB

C Lo: Weighting: 35 to 100dB

C Hi: Weighting: 65 to 130dB

Best Resolution: 0.1dB**Accuracy:** ±2dB**Dynamic Range:** 65dB**Input:** Condenser Microphone**Time Weighting:** Slow or Fast**Maximum Hold Decay:** < 1dB/3min**Analog Output:**

AC Conditioned: 0.7V RMS, corresponding to each range step

Output Impedance: 600Ω

DC Conditioned: 10mV/dB

Output Impedance: 100Ω

General Specifications**Operating Temperature:** 0 to 50°C (32 to 122°F)

at relative humidity of less than 80%

Power: 9V battery for 100 hours life with alkaline battery**Size:** 9.5" (H) × 2.7" (W) × 1.0" (D)**Weight:** 7.6 oz**Supplied Accessories:** Manual, battery, Adjustment screwdriver, Carrying case**[B850]****Output Characteristics****Frequency Range:** 10Hz to 1MHz in 5 ranges**Frequency Accuracy:**

10Hz to 1MHz: ±5%

100Hz to 100KHz: ±3%

Amplitude: > 20V P-P open circuit; > 10V P-P into 600Ω**Output Impedance:** 600Ω**Output Attenuation:** 0dB, 20dB, 40dB steps and fine adjustment attenuator control**Sine Wave Characteristics****Distortion:**

< 0.05% from 500Hz to 50KHz

< 0.5% from 50Hz to 500KHz

Square Wave Output**Frequency Range:** 10Hz to 100KHz**Output Voltage:** > 15V P-P**Rise Time:** < 500ns**External Sync Input****Input Impedance:** Approx. 10KΩ**Max. Input Voltage:** 10V RMS**General Specifications****Power Requirements:** 115/230V ±10%**Frequency:** 48Hz to 66Hz**Power Consumption:** 3VA**Size:** 6.0" (H) × 10.0" (W) × 5.0" (D)**Weight:** 5.5 lbs**Supplied Accessories:** Manual, Line cord, Test leads