



Audiological Service & Supply Company
800-755-8272
Audiometry.com

SLM-200 Sound Level Meter



The SLM-200 Sound Level Meter continuously monitors ambient noise levels in the audiometric testing room and creates a legal record of compliance with OSHA ambient noise regulation 29 CFR 1910.95.

The SLM-200 meets the ANSI requirements for both a Type 2 Octave Band Filter and a Type 2 Sound Level Meter so your compliance is documented and acceptable to OSHA. Multiple SLM-200's may be used in group testing environments and flexibly assigned to monitor ambient noise for particular testing stations.

The SLM-200 solves a particularly difficult problem for mobile testers: how can you be assured that your testing environment always meets applicable standards for background ambient noise?

With the SLM-200, your test room is continuously monitored and the CCA-200 will accept the subject's responses to test signals only when the ambient noise is in the acceptable range. Your test record will show the ambient noise for each octave band during the test and document that the test was performed within acceptable noise levels.

- Ensures and documents compliance with OSHA ambient noise level regulations
- States in reports that ambient noise levels were not exceeded
- Stores ambient noise levels with audiogram data
- Supports OSHA, ANSI, or user-defined maximum permissible ambient noise levels

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Assured Compliance

OSHA regulation 29 CFR 1910.95 Appendix D requires that the ambient noise in the audiometric testing room not exceed certain levels during a test. The SLM-200 provides iron-clad documentation that the test was performed within the limits set by OSHA.

For each audiogram the following data is stored when used with the CCA-200 storage feature:

- Ambient noise levels for each octave band
- Maximum permissible ambient noise levels for each octave band
- SLM-200 serial number, and calibration date

The audiometer will re-present stimuli when ambient noise levels are exceeded. Reports will state that the audiogram was performed within the OSHA ambient noise limits providing a legal record for every audiogram.

True Sound Level Meter

Benson Medical Instruments is the only company to seamlessly integrate an ANSI Type 2 sound level meter into the audiometric testing system so that you are assured of continuous compliance. Only readings from an ANSI Type 2 Sound Level Meter will meet the standards set by OSHA. Other so-called 'monitors' do not meet these strict criteria because they do not comply with ANSI standards.

System Requirements

The SLM-200 operates with CCA-200 v. 4-02 or later software. Upgrades are available.

Multiple CCA-200's and SLM-200's may be used up to 16 instruments total.

The SLM-200 does not operate with the CCA-100e or CCA-220 audiometers; use model BAS-200 *slm*

Sound Level Meter Specifications

Meets or exceeds ANSI S1.4-1983 Type 2 Sound Level Meter standard

Octave Band Filter Specifications

Meets or exceeds ANSI s1.11-1986 Type 2 Order 3 Octave Band Filter standard.

Meets or exceeds ANSI S1-11-1971 Class II Octave Band Filter standard

Maximum Permissible Noise Levels

OSHA 29 CFR 1910.95 App, D or

ANSI S3.1-1999 (ears covered), or user-settable in 0.5 dB steps between 18.0 and 62.0 dB SPL for 125,250,500 Hz, 1,2,4 and 8 kHz octave bands.

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