BAS-200*slm*

Bio-Acoustic Simulator Sound Level Meter

Monitor Background Noise During Testing

If you're testing in locations where it's inconvenient to have a sound booth, then you need to prove that tests were completed within legal limits for ambient noise.

The BAS-200slm offers all the dependability of the BAS-200 with a sound level meter. It is a dual-function instrument that creates a legal record of the daily calibration check and of compliance with OSHA ambient noise regulation as required by 29 CFR 1910.95.

The BAS-200slm meets the ANSI requirements for both a Type 2 Octave Band Filter and a Type 2 Sound Level Meter so your compliance is documented.

Because the BAS-200slm is powered by the Benson Medical Instruments audiometer, there is no worry about battery life. Connecting the response switch to the BAS-200slm returns the system to subject testing.

Get Started Today

Contact your Benson Medical Instruments dealer for a no-obligation demonstration.

- ✔ Quick and accurate daily calibration check as required by OSHA
- ✔ Ensures compliance with OSHA ambient noise level regulations
- ✔ Power is supplied from audiometer
- ✔ Place on tabletop or mount on wall of test booth
- ✔ No need to remove from system when performing subject testing
- ✔ Meets ANSI standards for both sound level meters and octave band filters
- ✔ Documents compliance with OSHA 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

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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. The BAS-200slm provides iron-clad documentation that the test was performed within the limits set by OSHA.

For each audiogram the following data is stored:
• Ambient noise levels for each octave band
• Maximum permissible ambient noise levels for each octave band
• BAS-200slm 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.

Bio-Acoustic Simulator

A bio-acoustic simulator is included for a quick and accurate daily calibration check as required by OSHA. Because the simulator does not use batteries, you are assured of the most stable and accurate reference for comparison.

System Requirements

When the CCA-100mini is used with two stations, one or two BAS-200slm's may be used.
When the CCA-200mini is used, the total number of instruments connected (CCA-200mini's and BAS-200slm's) must not exceed sixteen.

Simulator Specifications

Indicators: power, left response, right response
Test Frequencies: 500 Hz, 1, 2, 3, 4, 6, 8 kHz
Response Threshold: 65 dB HL nominal
Power: supplied by Benson Medical Instruments audiometer

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

CCA-100mini:
OSHA 29 CFR 1910.95 App. D only
CCA-200mini:
OSHA 29 CFR 1910.95 App. D, or ANSI S3.1-1999 (ears covered), or user-settable in 0.5 dB steps between 21.0 and 62.0 dB SPL for 125, 250, 500 Hz, 1, 2, 4, and 8 kHz octave bands

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