BAS-200*slm*

BENSON MEDICAL INSTRUMENTS

Bio-Acoustic Simulator/Sound Level Meter

Features:

- Quick and accurate daily calibration check as required by OSHA
- Ensures compliance with OSHA ambient noise level regulations
- Uses no batteries: 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

The BAS-200*slm* Bio-Acoustic Simulator/ Sound Level Meter 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-200*slm* 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-200*slm* is powered by the Benson Medical Instruments audiometer, there is no worry about battery life. Connecting the response switch to the BAS-200 returns the system to 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 permissible ambient noise levels

Benson Medical Instruments Co., Minneapolis, MN • (612) 827-2222 • sales@bensonmedical.com

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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-200*slm* 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-200*slm* 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

The BAS-200*slm* operates with version 4.02 or later of the audiometer software. Contact Benson Medical Instruments Co. for upgrade information.

When the CCA-100*e* is used with two stations, one or two BAS-200*slm*'s may be used.

When the CCA-200 is used , the total number of instruments connected (CCA-200'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-100e:	OSHA 29 CFR 1910.95 App. D only
CCA-200/220:	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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