

SHOEBOX Audiometry is an ideal solution for occupational health customers that are concerned with employee health and wellness, specifically with respect to hearing health.

Employers in the United States are required to comply with the following standard from the Occupational Health and Safety Administration (OSHA) '29 CFR part 1910 Occupational Safety and Health Standards, Subpart G, Occupational Health and Environmental Control, standard 1910.95 Occupational Noise Exposure' for hearing testing and hearing conservation programs.

While OSHA compliance remains the responsibility of the employer, use of SHOEBOX Audiometry meets the requirements for testing equipment in relevant sections of 1910.95, detailed below. SHOEBOX Audiometry also has data management, configuration settings, and reporting functions that help in the provision of OSHA-compliant hearing testing.

Number	Requirement	SHOEBOX Audiometry	
1910.95(g)	Audiometric Testing Program		
1910.95(g)(7)(iii)(C)	Measurements of background sound pressure levels in the audiometric test room as required in Appendix D: Audiometric Test Rooms.	✓	SHOEBOX Audiometry includes real-time sound pressure level measurement capability. A type 2 SLM is recommended to assess room compliance.
1910.95(g)(10)	Standard Threshold Shift	✓	SHOEBOX Audiometry reporting alerts user to OSHA standard threshold shifts.
1910.95(h)	Audiometric Test Requirements		
1910.95(h)(1)	Audiometric tests shall be pure tone, air conduction, hearing threshold examinations, with test frequencies including as a minimum 500, 1000, 2000, 3000, 4000, and 6000 Hz. Tests at each frequency shall be taken separately for each ear.	✓	SHOEBOX Audiometry meets these requirements.
1910.95(h)(2)	Audiometric tests shall be conducted with audiometers (including microprocessor audiometers) that meet the specifications of, and are maintained and used in accordance with, American National Standard Specification for Audiometers, S3.6-1969, which is incorporated by reference as specified in Sec. 1910.6.	✓	SHOEBOX Audiometry meets specifications of a Type 3 Audiometer as defined by ANSI S3.6-1969 and ANSI S3.6-2010
1910.95(h)(3)	Pulsed-tone and self-recording	✓	SHOEBOX Audiometry meets all

	audiometers, if used, shall meet the requirements specified in Appendix C: "Audiometric Measuring Instruments."		requirements of Appendix C.
1910.95(h)(5)	Audiometer calibration.		
1910.95(h)(5)(i)	The functional operation of the audiometer shall be checked before each day's use by testing a person with known, stable hearing thresholds, and by listening to the audiometer's output to make sure that the output is free from distorted or unwanted sounds. Deviations of 10 decibels or greater require an acoustic calibration.	✓	SHOEBOX Audiometry includes a biological calibration feature to enable compliance with this requirement.
1910.95(h)(5)(ii)	Audiometer calibration shall be checked acoustically at least annually in accordance with Appendix E: "Acoustic Calibration of Audiometers." Test frequencies below 500 Hz and above 6000 Hz may be omitted from this check. Deviations of 15 decibels or greater require an exhaustive calibration.	✓	SHOEBOX Audiometry offers calibration service that enables compliance with this requirement.
1910.95(h)(5)(iii)	An exhaustive calibration shall be performed at least every two years in accordance with sections 4.1.2; 4.1.3.; 4.1.4.3; 4.2; 4.4.1; 4.4.2; 4.4.3; and 4.5 of the American National Standard Specification for Audiometers, S3.6-1969. Test frequencies below 500 Hz and above 6000 Hz may be omitted from this calibration.	✓	All SHOEBOX Audiometry calibrations are exhaustive calibrations per ANSI S3.6-1969 and ANSI S3.6-2010
Appendix C	Audiometric Measuring Instruments	✓	SHOEBOX Audiometry complies.
Appendix D	Sound Level Monitoring		To address the issue of background noise, SHOEBOX Audiometry offers noise-attenuating headphones that effectively insulate the test subject's ears against a significant amount of ambient noise during testing. Also, SHOEBOX continuously monitors the ambient noise

			<p>during automated testing and alerts if OSHA MPANLs are exceeded.</p> <p>SHOEBOX's noise monitoring does not exhaustively match all the functionality offered by Type-2 Sound Level Meters (SLM) as described in ANSI S1.4-1983, but we have compared and adjusted SHOEBOX's noise monitoring against an external Type-2 SLM to deliver a very similar level of accuracy.</p> <p>If a SHOEBOX customer would prefer to use a separate Type-2 SLM, there are many third-party options that can easily be used in conjunction with our mobile system in order to use SHOEBOX for OSHA compliant testing.</p>
Appendix E	Acoustic Calibration of Audiometers	✓	SHOEBOX Audiometry complies.
Appendix F	Calculations and Application of Age Corrections to Audiograms	✓	SHOEBOX Audiometry includes age correction feature.