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AMERICAN NATIONAL STANDARD

Methods for Manual Pure-Tone Threshold Audiometry

ANSI S3.21-2004

Accredited Standards Committee S3, Bioacoustics

Standards Secretariat
Acoustical Society of America
35 Pinelawn Road, Suite 114 E
Melville, NY 11747-3177

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ANSI S3.21- 2004
(Revision of ANSI S3.21-1978)

AMERICAN NATIONAL STANDARD

Methods for Manual Pure-Tone Threshold Audiometry

Secretariat

Acoustical Society of America

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Abstract

This Standard is a revision of the American National Standard ANSI S3.21-1978 Methods for Manual Pure-Tone Threshold Audiometry.

This Standard provides a procedure for pure-tone audiometry that will serve the needs of persons conducting threshold measurements in industry, schools, medical settings, and other areas where valid audiometric threshold measurements are needed.

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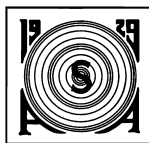
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Acoustical Society of America
ASA Secretariat
35 Pinelawn Road, Suite 114E
Melville, New York 11747-3177
Telephone: 1 (631) 390-0215
Fax: 1 (631) 390-0217
E-mail: asastds@aip.org

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Foreword

[This foreword is for information only and is not an integral part of ANSI S3.21-2004 American National Standard Methods for Manual Pure-Tone Threshold Audiometry.]

This American National Standard was developed and approved by Accredited Standards Committee S3, under operating procedures approved by the American National Standards Institute (ANSI). Accredited Standards Committee S3, Bioacoustics has the following scope:

Standards, specifications, methods of measurement and test, and terminology in the fields of psychological and physiological acoustics, including aspects of general acoustics, shock, and vibration which pertain to biological safety, tolerance and comfort.

This second edition replaces ANSI S3.21-1978 American National Standard Methods for Manual Pure-Tone Threshold Audiometry. It has been revised to include current standard references which appear in the text and other types of earphones (insert and circumaural) to be used to elevate collapsing ear canals (see clause 4.1 note). All other changes are purely formative or editorial and do not change the technical intent of this standard.

This American National Standard presents procedures for accomplishing manual hearing-threshold measurement with pure tones that are applicable in a wide variety of settings.

Although the standard has been written to aid in the accomplishment of a measurement, it is appropriate to point out that it differs from other measurement techniques in that it deals with human behavior. Rigid adherence to the procedure in every circumstance will not necessarily produce effective results. See Clause 1.3 for more detail.