

ANSI S1.13-2005
(Revision of ANSI S1.13-1995)

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March 5, 2010

AMERICAN NATIONAL STANDARD

Measurement of Sound Pressure Levels in Air

ANSI S1.13-2005

Accredited Standards Committee S1, Acoustics

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

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Secretariat:
Acoustical Society of America

Approved by American National Standards Institute, Inc.
25 July 2005

Abstract

This standard specifies requirements and describes procedures for the measurement of sound pressure levels in air at a single point in space. These requirements and procedures apply primarily to measurements performed indoors but may be utilized in outdoor measurements under specified conditions. This is a fundamental standard applicable to a wide range of measurements and to sounds that may differ widely in temporal and spectral characteristics; more specific American National Standards complement its requirements. A classification is given of the types of sound generally encountered, and the preferred descriptor for each type is identified. This standard is intended to be used by practitioners in the field, as well as by members of the general public who have little or no special technical training in areas relating to acoustics. This is a replacement for a previous version of ANSI S1.13.

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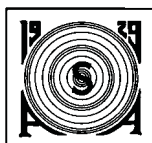
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Foreword

[This Foreword is for information only, and is not a part of the American National Standard ANSI S1.13 – 2005 American National Standard Measurement of Sound Pressure Levels in Air].

This standard comprises a part of a group of definitions, standards, and specifications for use in acoustics. It was developed and approved by Accredited Standards Committee S1 Acoustics, under its approved operating procedures. Those procedures have been accredited by the American National Standards Institute (ANSI). The Scope of Accredited Standards Committee S1 is as follows:

Standards, specifications, methods of measurement and test, and terminology in the field of physical acoustics, including architectural acoustics, electroacoustics, sonics and ultrasonics, and underwater sound, but excluding those aspects which pertain to biological safety, tolerances, and comfort.

This standard is a limited revision of ANSI S1.13-1995, which has been technically revised by updating the references in the body and replacing Annex A in its entirety.

This standard is not comparable to any existing ISO Standard.

At the time this Standard was submitted to Accredited Standards Committee S1, Acoustics for approval, the membership was as follows:

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