

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

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**AMERICAN NATIONAL STANDARD**

**Measurement of Sound Pressure Levels in Air**

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**ANSI S1.13-2005**

**Accredited Standards Committee S1, Acoustics**

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Standards Secretariat  
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The Acoustical Society of America (ASA) is an organization of scientists and engineers formed in 1929 to increase and diffuse the knowledge of acoustics and to promote its practical applications.



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AMERICAN NATIONAL STANDARD

# Measurement of Sound Pressure Levels In Air

**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.