
AMERICAN NATIONAL STANDARD
**MEASUREMENT MICROPHONES —
PART 1: SPECIFICATIONS FOR
LABORATORY STANDARD
MICROPHONES**

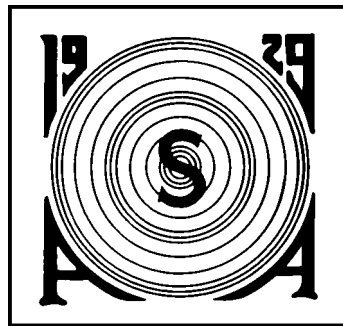
ANSI S1.15-1997/Part 1

Accredited Standards Committee S1, Acoustics

Standards Secretariat
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The American National Standards Institute, Inc. (ANSI) is the national coordinator of voluntary standards development and the clearing house in the U.S. for information on national and international standards.

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.



American National Standard

**Measurement Microphones —
Part 1: Specifications for Laboratory
Standard Microphones**

Secretariat
Acoustical Society of America

Approved 6 June 1997
American National Standards Institute, Inc.

Abstract

This Standard specifies mechanical dimensions and certain electroacoustical characteristics for capacitor (condenser) microphones used as laboratory standards for sound pressure measurements of the highest attainable accuracy. The specifications are intended to ensure that primary calibration by the reciprocity method can be readily carried out. This Standard establishes a system to classify laboratory standard microphones into a number of types according to their dimensions and properties. This American National Standard is comparable to International Standard IEC 61094-1:1992, "Measurement microphones — Part 1: Specifications for laboratory standard microphones."