

IEEE Recommended Practice for Volume Measurements of Electrical Speech and Program Waves

IEEE STANDARDS
ARCHIVES
DO NOT REMOVE

ANSI/IEEE Std 152-1953



Documents

Document Sharing Hub



Published by The Institute of Electrical and Electronics Engineers, Inc. 345 East 47th Street, New York, NY 10017, USA

Authorized licensed use limited to: Tsinghua University. Downloaded on February 24, 2026 at 18:07:24 UTC from IEEE Xplore. Restrictions apply.

SH11528

An American National Standard

Recommended Practice for Volume Measurements of Electrical Speech and Program Waves

COMMITTEE PERSONNEL

Standards Committee, 1953-1954

A. G. JENSEN, *Chairman*
M. W. BALDWIN, JR., *Vice Chairman*
L. G. CUMMING, *Vice Chairman*
E. WEBER, *Vice Chairman*

K. E. Anspach	F. T. Budelman	J. L. Dalke	P. J. Herbst	W. M. Pease	R. F. Shea
J. Avins	H. F. Burkhard	A. W. Friend	J. G. Kreer, Jr.	W. J. Poch	R. E. Shelby
R. R. Batcher	C. A. Cady	F. J. Gaffney	E. A. Laport	D. C. Ports	N. Smith
W. R. Bennett	P. S. Carter	W. D. Goodale, Jr.	W. P. Mason	P. C. Sandretto	W. G. Tuller
J. G. Brainerd	A. G. Clavier	R. A. Hackbusch	G. D. O'Neill	R. Serrell	

Measurements Co-ordinator

E. WEBER

Audio Techniques Committee 1950-1953

C. A. CADY, *Chairman*, 50-53
R. A. MILLER, *Past Chairman*, 50-53¹
D. E. MAXWELL, *Vice Chairman*, 50-53

H. W. Augustadt, 50-53	D. H. Castle, 50-53	H. D. Harris, 50-52	F. L. Hopper, 50-53	R. B. Monroe, 50-52
W. L. Black, 50-53	W. W. Dean, 50-52	J. K. Hilliard, 50-53	I. M. Kerney, 52-53	W. E. Stewart, 50-53
H. Burris-Meyer, 50-52				

¹ Chairman, 50-52.

Subcommittee on Revision of ASA C16.5-1942

	C. A. CADY, <i>Chairman</i> , 50-52		
L. B. Cooke, 50-52	W. W. Dean, 50-52	J. W. Miller, 50-52	R. B. Monroe, 50-52

Reprinted from the PROCEEDINGS OF THE I.R.E.
VOL. 42; NO. 5, MAY, 1954

PRINTED IN THE U.S.A.

1. GENERAL

These standards apply to the methods of and a device for measuring the dynamic magnitude of complex audio-frequency electrical waves such as occur in speech and music.

The measurement of the complex and nonperiodic waves encountered in electrical communication cannot be expressed in simple fashion in the ordinary electrical terms of current, voltage, and power. The concept of "volume" furnishes a practical method of great utility