

IEEE Standard Method for Measurement of Weighted Peak Flutter of Sound Recording and Reproducing Equipment

ANSI/IEEE Std 193-1971

Documents



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An American National Standard

IEEE Standard

**Method for Measurement of Weighted Peak Flutter
of Sound Recording and Reproducing Equipment**

Sponsor

**Recording and Reproducing Standards Subcommittee
of the IEEE Group on Audio and Electroacoustics Standards Committee**

Approved February 1, 1972
American National Standards Institute

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Foreword

In its attempt to find a reproducible test method for obtaining flutter measurements, the Recording and Reproducing Standards Subcommittee of the IEEE Group on Audio and Electroacoustics Standards Committee took into consideration the desirability of finding a method that did not require the services of one carefully trained operator for performing all flutter measurements in a single laboratory. Consideration was given to weighted peak meters of the type called for in the German Standards, and a series of user tests was performed to (1) determine whether weighted meter readings agreed with the subjective judgements of a listening panel, (2) find out if weighted peak readings are more easily determined than those made with an instrument having the dynamics of the Standard Volume Indicator, and (3) check the willingness of recording equipment manufacturers and recording studios in the USA to change to a weighted peak measurement.

Because all of these tests were favorable, the Committee developed the present document to supersede IEEE Std 193-1953 (ANSI Z57.1-1954). The new standard is an adaptation of a draft IEC Recommendation, and the technical requirements for the weighted peak flutter meter and the essence of the measuring procedures conform with those of the German Standard, DIN 45 507, 1966, the current CCIR Standard, 409-2, 1970, and the IEC draft. The technical requirements given for weighted peak meters are identical to those in DIN 45 507, and several different models are commercially available that meet the specifications of this standard.

The IEEE will maintain this document current with the state of the technology. Comments on this standard and suggestions for additional material that should be included are invited. These should be addressed to:

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The working group which undertook the investigations resulting in this standard and which prepared the final document consisted of:

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Appreciation is expressed to Dr Hans Schiesser of the Institut für Rundfunktechnik (Hamburg, Germany) for his assistance in verifying the interpretations of the original German Standard.

At the time it approved the IEEE Standard Method for Measurement of Weighted Peak Flutter of Sound Recording and Reproducing Equipment, the Group on Audio and Electroacoustics Standards Committee had the following membership:

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