INTERNATIONAL STANDARD



First edition 2005-11-15

Cinematography — Relative and absolute sound pressure levels for motion-picture multi-channel sound systems — Measurement methods and levels applicable to analog photographic film audio, digital photographic film audio and D-cinema audio

Cinématographie — Niveaux de pression sonore relatifs et absolus pour les systèmes de films cinématographiques sonores multicanaux — Méthodes de mesure et niveaux applicables aux films sonores photographiques analogiques, aux films sonores photographiques numériques et à l'audio de D-cinéma



Reference number ISO 22234:2005(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below

This document is a preview denerated by FLS

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org Published in Switzerland

Foreword

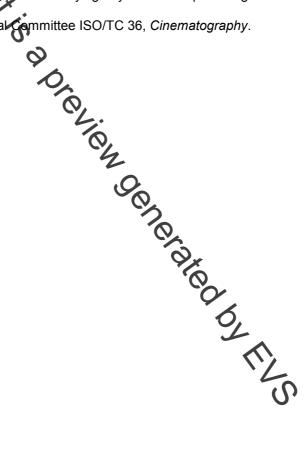
ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22234 was prepared by Technical committee ISO/TC 36, Cinematography.



this document is a preview denerated by EUS

Cinematography — Relative and absolute sound pressure levels for motion-picture multi-channel sound systems — Measurement methods and levels applicable to analog photographic film audio, digital photographic film audio and D-cinema audio

1 Scope

This International Standard specifies the measurement methods and wide-band sound pressure levels for motion-picture control rooms, review rooms, and indoor theatres. Together with ISO 2969, it is intended to assist in standardization of reproduction of motion-picture sound in such rooms.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2969:1987, Cinematography — B-chain electroacoustic response of motion-picture control rooms and indoor theatres — Specifications and measurements

IEC 60268-17:1990, Sound system equipment - Part 17: Atandard volume indicators

IEC 61672-1:2002, Electroacoustics — Sound level meters — Part 1: Specifications

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

absolute sound pressure

spatially averaged sound pressure level of a single channel of a theatrical sound system measured with broadband pink noise at the reference electrical level as a stimulus

NOTE The 0 dB (reference) level for sound pressure is 20 μ N/m².

3.2

average responding meter

meter which provides a voltage indication proportional to the average value of the rectified signal, with ballistics as described in IEC 60268-17

3.3

bass extension

technique of taking low-frequency information from a film sound-track, processing it, and sending it to a sub-woofer, as opposed to an LFE channel

NOTE See A.3.