



SLOVENSKI STANDARD SIST EN ISO 389-7:1999

01-november-1999

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Acoustics - Reference zero for the calibration of audiometric equipment - Part 7:
Reference threshold of hearing under free-field and diffuse-field listening conditions (ISO
389-7:1996)

Akustik - Standard-Bezugspegel für die Kalibrierung von audiometrischen Geräten - Teil
7: Bezugshörschwellen unter Freifeld- und Diffusfeldbedingungen (ISO 389-7:1996)

Acoustique - Zéro de référence pour l'étalonnage d'équipements audiométriques - Partie
7: Niveau liminaire de référence dans des conditions d'écoute en champ libre et en
champ diffus (ISO 389-7:1996)

Ta slovenski standard je istoveten z: EN ISO 389-7:1998

ICS:

13.140 Vpliv hrupa na ljudi Noise with respect to human beings

SIST EN ISO 389-7:1999 en

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SIST EN ISO 389-7:1999

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EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN ISO 389-7

January 1998

ICS 13.140

Descriptors: See ISO document

English version

Acoustics - Reference zero for the calibration of audiometric
 equipment - Part 7: Reference threshold of hearing under free-
 field and diffuse-field listening conditions (ISO 389-7:1996)

Acoustique - Zéro de référence pour l'étalonnage
 d'équipements audiométriques - Partie 7: Niveau liminaire
 de référence dans des conditions d'écoute en champ libre
 et en champ diffus (ISO 389-7:1996)

Akustik - Standard-Bezugspegel für die Kalibrierung von
 audiometrischen Geräten - Teil 7: Bezugshörschwellen
 unter Freifeld- und Diffusfeldbedingungen (ISO 389-7:1996)

This European Standard was approved by CEN on 30 November 1997.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
 COMITÉ EUROPÉEN DE NORMALISATION
 EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 389-7:1998

Foreword

The text of the International Standard from Technical Committee ISO/TC 43 "Acoustics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 211 "Acoustics", the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 1998, and conflicting national standards shall be withdrawn at the latest by July 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 389-7:1996 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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REPUBLIKA SLOVENSKO
MINISTRSTVO ŠOLSTVA, ZNANOSTI IN ŠPORTA
Urad za standardizacijo pri
ANALIZI

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Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 266	1997	Acoustics - Preferred frequencies for measurements	EN ISO 266	1997

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INTERNATIONAL STANDARD

**ISO
389-7**

First edition
1996-12-15

Acoustics — Reference zero for the calibration of audiometric equipment —

Part 7:

Reference threshold of hearing under free-field
and diffuse-field listening conditions

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*Acoustique — Zéro de référence pour l'étalonnage d'équipements
audiométriques —*

*Partie 7: Niveau liminaire de référence dans des conditions d'écoute en
champ libre et en champ diffus*



Reference number
ISO 389-7:1996(E)

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.

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.

International Standard ISO 389-7 was prepared by Technical Committee ISO/TC 43, *Acoustics*.

This first edition of ISO 389-7 constitutes a partial revision of ISO 266:1987 with respect to the threshold of hearing for pure tones under free-field listening conditions T_f [ISO 226:1987, table 1 (column 4) and annex A (MAF-curve)], the threshold of hearing for one-third-octave noise bands under diffuse-field listening conditions T'_f [ISO 226:1987, table 4 (column 3)], and the difference between these thresholds, ΔL [ISO 226:1987, table 4 (column 2)]. The equal-loudness level contours contained in ISO 226 are at present under revision within ISO/TC 43 and are not covered by this part of ISO 389.

ISO 389 consists of the following parts, under the general title *Acoustics — Reference zero for the calibration of audiometric equipment*:

- *Part 1: Reference equivalent threshold sound pressure levels for pure tones and supra-aural earphone*
- *Part 2: Reference equivalent threshold sound pressure levels for pure tones and insert earphones*
- *Part 3: Reference equivalent threshold force levels for pure tones and bone vibrators*

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International Organization for Standardization
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- *Part 4: Reference levels for narrow-band masking noise*
- *Part 5: Reference equivalent threshold sound pressure levels for pure tones in the frequency range 8 kHz to 16 kHz*
- *Part 7: Reference threshold of hearing under free-field and diffuse-field listening conditions*

Part 1 will be a re-issue of ISO 389:1991.

Annexes A and B of this part of ISO 389 are for information only.

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