

Acoustics — Hearing protectors —

Part 4: Measurement of effective sound pressure levels for level-dependent sound-restoration ear muffs (ISO/TR 4869-4:1998)

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National foreword

This British Standard is the official English language version of EN ISO 4869-4:2000. It is identical with ISO/TR 4869-4:1998.

The UK participation in its preparation was entrusted to Technical Committee PH/7, Hearing protection, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO/TR title page, pages ii to iv, pages 1 to 7, the annex ZA page, an inside back cover and a back cover.

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English version

**Acoustics - Hearing protectors - Part 4: Measurement of
effective sound pressure levels for level-dependent sound-
restoration ear-muffs (ISO/TR 4869-4:1998)**

Acoustique - Protecteurs individuels contre le bruit - Partie
4: Mesurage des niveaux effectifs de pression acoustique
des serre-têtes destinés à la restitution du son (ISO/TR
4869-4:1998)

Akustik - Gehörschützer - Teil 4: Messung der wirksamen
Schalldruckpegel von Kapselgehörschützern mit
pegelabhängiger elektroakustischer
Übertragungseinrichtung (ISO/TR 4869-4:1998)

This European Standard was approved by CEN on 10 April 2000.

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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EUROPEAN COMMITTEE FOR STANDARDIZATION
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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 November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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 4869-4:1998 has been approved by CEN as a European Standard without any modification.

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

TECHNICAL REPORT

EN ISO 4869-4:2000

**ISO/TR
4869-4**

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Part 4:

Measurement of effective sound pressure
levels for level-dependent sound-restoration
ear-muffs

Acoustique — Protecteurs individuels contre le bruit —

*Partie 4: Mesurage des niveaux effectifs de pression acoustique des serre-
tête destinés à la restitution du son*



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 3.

The main task of technical committees is to prepare International Standards, but in exceptional circumstances a technical committee may propose the publication of a Technical Report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development or where for any other reason there is the future but not immediate possibility of an agreement on an International Standard;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard (“state of the art”, for example).

Technical Reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical Reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/TR 4869-4, which is a Technical Report of type 2, was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.