

Acoustics — Audiometric test methods —

Part 2: Sound field audiometry with pure tone and narrow-band test signals

The European Standard EN ISO 8253-2:1998 has the status of a
British Standard

ICS 17.140.50

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Environment and Pollution Standards Policy Committee (EPC/-) to Technical Committee EPC/1, upon which the following bodies were represented:

- Association of Consulting Engineers
- British Broadcasting Corporation
- British Occupational Hygiene Society
- British Telecommunications plc
- Department of the Environment (Building Research Establishment)
- Department of Health
- Department of Trade and Industry (Air Division)
- Department of Trade and Industry (National Physical Laboratory)
- Engineering Equipment and Materials Users' Association
- Health and Safety Executive
- Incorporated Association of Architects and Surveyors
- Institute of Acoustics
- Institute of Occupational Hygienists
- Institute of Physics
- Institute of Sound and Vibration Research
- Institution of Electrical Engineers
- Royal Institute of British Architects
- Society of Environmental Engineers

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Association of Otolaryngologists
- British Society of Audiology
- Civil Service Occupational Health Service
- Confederation of British Industry
- Medical Research Council
- Ministry of Defence
- Royal College of Surgeons of England
- Royal National Institute for Deaf People
- Royal Society of Medicine

This British Standard, having been prepared under the direction of the Environment and Pollution Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 April 1993

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This British Standard is the English language version of EN ISO 8253-2:1998. It is identical with ISO 8253-2:1992, published by the International Organization for Standardization (ISO).

The UK participation in its preparation was entrusted by Technical Committee EH/1, Acoustics, to Subcommittee EH/1/1, Hearing, which has the responsibility to:

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

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

Cross-references

The British Standards which implement international or European publications referred to in this document 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.

Additional information. Attention is drawn to the following aspects of UK practice.

- a) *Subclause 3.7.* In the UK, hearing threshold level is expressed only as “hearing level”.
- b) *Subclause 8.1.* The narrow-band masking noise required in 8.1 should be as specified in BS 7113:1989 (identical with ISO 8798:1987).
- c) *Figure A.1.* In the UK, hearing threshold level graphs should be presented in accordance with the standard practice described in “British Society of Audiology — Recommended format for audiogram forms”, *British Journal of Audiology*, 1989 **23**, 265-266. In such graphs, the ordinate extends from – 10 dB to 140 dB and the lines forming the graph do not extend beyond any of the margins. Horizontal rulings are at 10 dB intervals rather than 5 dB intervals, and by convention vertical rulings of 1 500 Hz, 3 000 Hz and 6 000 Hz are positioned midway between adjacent octaves.

Textual error. When adopting the text of the international standard, the textual error given below was discovered. It has been marked in the text and has been reported to ISO in a proposal to amend the text of the international standard.

In 3.5, line 3, “median” should be deleted and replaced by “modal”, for consistency with ISO 226:1987, ISO 8352-1:1989 and ISO 389:1991.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

Acoustics — Audiometric test methods —
Part 2: Sound field audiometry with pure tone
and narrow-band test signals

(ISO 8253-2:1992)

Acoustique — Méthodes d'essais
audiométriques — Partie 2: Audiométrie en
champ acoustique avec des sons purs et des
bruits à bande étroite comme signaux d'essai
(ISO 8253-2:1992)

Akustik — Audiometrische Prüfverfahren
Teil 2: Schallfeld — Audiometrie mit reinen
Tönen und schmalbandigen Prüfsignalen
(ISO 8253-2:1992)

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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 a 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 August 1998.

According to 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.

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