



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60645-2:1999**

ICS 17.140.50

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**AUDIOMETERS. PART 2: EQUIPMENT FOR  
SPEECH AUDIOMETRY (IEC 645-2:1993)**

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EUROPEAN STANDARD

**EN 60645-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Descriptors: Acoustics, audiometry, audiometers, measurements, auditory perception, classification, testing conditions, calibration, sound pressure, marking, instruction manual

English version

**Audiometers**  
**Part 2: Equipment for speech audiometry**  
**(IEC 645-2:1993)**

Audiomètres  
Partie 2: Appareils pour  
l'audiométrie vocale  
(CEI 645-2:1993)

Audiometer  
Teil 2: Geräte für die  
Sprachaudiometrie  
(IEC 645-2:1993)

This European Standard was approved by CENELEC on 1996-10-01. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

### Foreword

The text of the International Standard IEC 645-2:1993, prepared by IEC TC 29, Electroacoustics, was submitted to the formal vote and was approved by CENELEC as EN 60645-2 on 1996-10-01 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1997-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-09-01

Annexes designated "normative" are part of the body of the standard.  
Annexes designated "informative" are given for information only.  
In this standard, annex ZA is normative and annex A is informative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 645-2:1993 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA (normative)****Normative references to international publications  
with their corresponding 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 (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u>        | <u>Title</u>   | <u>EN/HD</u>               | <u>Year</u> |
|--------------------|--------------------|--|----------------------------|-------------|
| IEC 225            | 1966               | Octave, half-octave and third-octave band filters intended for the analysis of sounds and vibrations | -                          | -           |
| IEC 268-7          | 1984 <sup>1)</sup> | Sound system equipment<br>Part 7: Headphones and headsets  | -                          | -           |
| IEC 268-17         | 1990               | Part 17: Standard volume indicators  | HD 483.17 S1 <sup>2)</sup> | 1992        |
| IEC 303            | 1970               | IEC provisional reference coupler for the calibration of earphones used in audiometry                | -                          | -           |
| IEC 318            | 1970               | An IEC artificial ear, of the wide band type, for the calibration of earphones used in audiometry    | -                          | -           |
| IEC 373            | 1990               | Mechanical coupler for measurements on bone vibrators  | HD 590 S1                  | 1991        |
| IEC 645-1          | 1992               | Audiometers<br>Part 1: Pure-tone audiometers   | EN 60645-1 <sup>3)</sup>   | 1994        |
| IEC 651            | 1979               | Sound level meters   | EN 60651                   | 1994        |
| ISO 266            | 1975               | Acoustics - Preferred frequencies for measurements   | -                          | -           |

1) IEC 268-7:1996 is harmonized as EN 60268-7:1996.

2) HD 483.17 S1 includes the corrigendum September 1991 to IEC 268-17.

3) EN 60645-1 includes the corrigendum February 1993 to IEC 645-1.



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