

Sound system equipment —

Part 2: Glossary of general terms and calculation methods —

**(Implementation of
CENELEC HD 483.2 S2)**

UDC 534.86:621.39:001.4

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Power Electrical Engineering Standards Policy Committee (EEL/-) to Technical Committee EEL/32, upon which the following bodies were represented:

- Association of British Theatre Technicians
- Association of Electronics, Telecommunications and Business Equipment Industries
- Audio Engineering Society
- British Broadcasting Corporation
- British Educational Equipment Association
- British Kinematograph, Sound and Television Society
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Consumers' Association
- Electronic Components Industry Federation
- Federation of British Audio
- Independent Television Association
- Institution of Electrical Engineers
- International Association of Broadcasting Manufacturers
- National Council for Educational Technology (NCET)
- Professional Lighting and Sound Association
- Radio Electrical and Television Retailers' Association
- Royal Institute of British Architects
- Royal National Institute for Deaf People
- Society of Cable Television Engineers
- Sound and Communication Industries Federation

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National foreword

This Part of BS 6840 has been prepared under the direction of the Electronic Equipment Standards Policy Committee. It is identical with IEC 268-2:1987 *Sound system equipment — Part 2: Explanation of general terms and calculation methods*, as amended by Amendment No. 1 (May 1991), published by the International Electrotechnical Commission (IEC). This British Standard implements Harmonization Document HD 483.2 S2:1993, published by the European Committee for Electrotechnical Standardization (CENELEC). This British Standard supersedes BS 6840-2:1988 which is withdrawn.

This edition introduces technical changes to bring this standard up-to-date but does not reflect a full review of the standard, which will be undertaken in due course. The changes introduced by the IEC Amendment No. 1 are indicated by a sideline in the margin.

BS 6840 consists of the following Parts:

- *Part 1: Methods for specifying and measuring general characteristics used for equipment performance;*
- *Part 2: Glossary of general terms and calculation methods;*
- *Part 3: Methods for specifying and measuring the characteristics of sound system amplifiers;*
- *Part 4: Methods for specifying and measuring the characteristics of microphones;*
- *Part 5: Methods for specifying and measuring the characteristics of loudspeakers;*
- *Part 6: Methods for specifying and measuring the characteristics of auxiliary passive elements;*
- *Part 7: Methods for specifying and measuring the characteristics of headphones and earphones¹⁾;*
- *Part 8: Methods for specifying and measuring the characteristics of automatic gain control devices;*
- *Part 9: Methods for specifying and measuring the characteristics of artificial reverberation time delay and frequency shift equipment;*
- *Part 10: Methods for specifying and measuring the characteristics of peak programme level meters;*
- *Part 11: Specification for application of connectors for the interconnection of sound system components;*
- *Part 12: Specification for applications of connectors for broadcast and similar use;*
- *Part 13: Guide for listening tests on loudspeakers;*
- *Part 14: Guide for circular and elliptical loudspeakers; outer frame diameters and mounting dimensions;*
- *Part 15: Specification for matching values for the interconnection of sound system components;*
- *Part 16: Guide to the “RASTI” method for the objective rating of speech intelligibility in auditoria;*
- *Part 17: Methods for specifying and measuring the characteristics of standard volume indicators.*

¹⁾ In preparation.

Additional information

Scope. IEC 268-2 does not give the scope of the standard, which for the purposes of this British Standard is as follows:

“This Part of BS 6840 specifies general terms and calculation methods for sound system equipment”.

References to page numbers in the text relate to the IEC page numbers given in brackets at the bottom of each page.

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 to iv, the HD 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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Descriptors: Sound system equipment, definition, general, calculation methods

English version

Sound system equipment Part 2: Explanation of general terms and calculation methods

(IEC 268-2:1987 + A1:1991)

Equipements pour systèmes
électroacoustiques
Deuxième partie: Explication des termes
généraux et méthodes de calcul
(CEI 268-2:1987 + A1:1991)

Elektroakustische Geräte
Teil 2: Allgemeine Begriffe und
Berechnungsverfahren
(IEC 268-2:1987 + A1:1991)

This Harmonization Document was approved by CENELEC on 1992-12-09. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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