

Sound system equipment —

**Part 10: Methods for specifying and
measuring the characteristics of peak
programme level meters —**

**(Implementation of CENELEC
HD 483.10 S1)**

Committees responsible for this British Standard

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

- Association for Consumer Research (ACRE)
- Association of British Theatre Technicians
- Audio Engineering Society
- British Educational Equipment Association
- British Kinematograph, Sound and Television Society
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Consumer Policy Committee of BSI
- Federation of British Audio
- Independent Television Association
- Independent Television Commission
- Institution of Electrical Engineers
- 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 the deaf
- Society of Cable Television Engineers
- Sound and Communication Industries Federation

This British Standard, having been prepared under the direction of the Electronic Equipment Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 30 August 1991

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National foreword

This Part of BS 6840 has been prepared under the direction of the Electronic Equipment Standards Policy Committee and is identical with IEC 268-10:1991 “*Sound system equipment — Part 10: Peak programme level meters*”, published by the International Electrotechnical Commission (IEC). This British Standard implements Harmonization Document HD 483.10 S1, published by the European Committee for Electrotechnical Standardization (CENELEC). This British Standard supersedes BS 5428-9:1981 which is withdrawn.

The purpose of this Part of BS 6840 is to standardize the characteristics to be specified, the relevant methods of measurement and performance requirements (in some cases) for:

- *peak programme level meters, in general (section 3);*
- *peak programme level meters, type I (section 4);*
- *peak programme level meters, type II (section 5);*
- *peak programme level meters having incremental displays (section 6);*
- *peak programme level meters having incremental displays, for secondary and household applications (section 7).*

In general, the methods of measurement recommended are those which are directly related to the definitions. This does not exclude the use of other methods which can be shown to give equivalent results.

BS 6840 consists of the following Parts:

- *Part 1: Methods for specifying and measuring general characteristics used for equipment performance (supersedes part of BS 5428-1);*
- *Part 2: Glossary of general terms and calculation methods (supersedes part of BS 5428-1);*
- *Part 3: Methods for specifying and measuring the characteristics of sound system amplifiers (supersedes BS 5428-2);*
- *Part 4: Methods for specifying and measuring the characteristics of microphones (previously BS 5428-3);*
- *Part 5: Methods for specifying and measuring the characteristics of loudspeakers (supersedes BS 5428-11 and BS 5428-11: Supplement 1);*
- *Part 6: Methods for specifying and measuring the characteristics of auxiliary passive elements (previously BS 5428-4);*
- *Part 7: Methods for specifying and measuring the characteristics of headphones and headsets (new)¹⁾;*
- *Part 8: Methods for specifying and measuring the characteristics of automatic gain control devices (previously BS 5428-7);*
- *Part 9: Methods for specifying and measuring the characteristics of artificial reverberation, time delay and frequency shift equipment (previously BS 5428-8);*
- *Part 10: Methods for specifying and measuring the characteristics of peak programme level meters (supersedes BS 5428-9);*
- *Part 11: Specification for application of connectors for the interconnection of sound system components (supersedes BS 5428-5.2);*
- *Part 12: Specification for applications of connectors for broadcast and similar use (supersedes BS 5428-5.3);*
- *Part 13: Guide for listening tests on loudspeakers (new);*
- *Part 14: Guide for circular and elliptical loudspeakers; outer frame diameters and mounting dimensions (previously BS 5428-5.1);*
- *Part 15: Specification for matching values for the interconnection of sound system components (supersedes BS 5428-10);*

¹⁾ In preparation.

— *Part 16: Guide to the “RASTI” method for the objective rating of speech intelligibility in auditoria (new);*

— *Part 17: Methods for specifying and measuring the characteristics of standard volume indicators.*

Copies of CCIR and CCITT documents may be purchased from BSI Sales Department, Linford Wood, Milton Keynes MK14 6LE.

Typographical error. In 1.2.2 and 3.1.1, the reference to “CMTT Recommendation 661” should be read as “CCITT Recommendation 661”.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to vi, the HD title page, pages 2 to 18, 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 equipments, modulation, signal level, level meters, characteristics, specifications, classifications

English version

Sound system equipment Part 10: Peak programme level meters

(IEC 268-10:1991)

Equipements pour systèmes électroacoustiques
Partie 10: Appareils de mesure des crêtes de
modulation
(CEI 268-10:1991)

Elektroakustische Geräte
Teil 10: Spitzenspannungs-
Aussteuerungsmesser
(IEC 268-10:1991)

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This Harmonization Document 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.

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

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