

Hearing aids —

Part 9: Methods for measurement of characteristics of hearing aids with bone vibrator output —

**(Implementation of
CENELEC HD 450.9 S1)**

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Equipment Standards Committee (EEL/-) to Technical Committee EEL/24, upon which the following bodies were represented:

- British Medical Association
- British Society of Audiology
- British Telecommunications plc
- Confederation of British Industry
- Department of Health and Social Security
- Department of Trade and Industry (National Physical Laboratory)
- Health and Safety Executive
- Hearing Aid Industry Association
- Institute of Acoustics
- Institute of Sound and Vibration Research
- Institution of Electronic and Radio Engineers
- Medical Research Council
- National Coal Board
- National Health Service
- Royal Aeronautical Society
- Royal National Institute for the Deaf
- Society of Hearing Aid Audiologists Limited

This British Standard, having been prepared under the direction of the Electronic Equipment Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 November 1986

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National foreword

This Part of BS 6083 has been prepared under the direction of the Electronic Equipment Standards Committee and is identical with IEC Publication 118-9:1985 “*Hearing aids — Part 9: Methods of measurement of characteristics of hearing aids with bone vibrator output*”, published by the International Electrotechnical Commission (IEC). This standard is also in agreement with Harmonization Document HD 450.9 S1 published by the European Committee for Electrotechnical Standardization (CENELEC).

BS 6083 consists of the following Parts:

- *Part 0:1984: Methods for measurement of electroacoustical characteristics;*
- *Part 1:1984: Method for measurement of characteristics of hearing aids with induction pick-up coil input;*
- *Part 2:1984: Methods for measurement of electroacoustical characteristics of hearing aids with automatic gain control circuits;*
- *Part 3:1984: Methods for measurement of electroacoustical characteristics of hearing aid equipment not entirely worn on the listener;*
- *Part 4:1981: Specification for magnetic field strength in audio-frequency induction loops for hearing aid purposes;*
- *Part 5:1984: Specification for dimensions of the nipple and sealing device for insert earphones;*
- *Part 6:1985: Specification for characteristics of electrical input circuits for hearing aids;*
- *Part 7:1985: Methods for measurement of the performance characteristics of hearing aids for quality inspection on delivery;*
- *Part 8:1985: Methods for measurement of the performance characteristics of hearing aids under simulated in situ working conditions;*
- *Part 9:1986: Methods for measurement of characteristics of hearing aids with bone vibrator outputs;*
- *Part 10: Guide to hearing aid standards;*
- *Part 11:1984: Specification for symbols and other markings on hearing aids and related equipment.*

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards.

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 the IEC in a proposal to amend the text of the International Standard.

In the introduction, in line 2 of paragraph 5, for “(e.g. a headband type bone conduction hearing aid)” read “(e.g. a spectacle type bone conduction hearing aid)”.

Cross-references

International Standards	Corresponding British Standards
IEC 68	BS 2011 <i>Basic environmental testing procedures</i> (Most Parts are identical or technically equivalent to the corresponding IEC Parts) BS 6083 <i>Hearing aids</i>
IEC 118-0:1983	Part 0:1984 <i>Methods for measurement of electroacoustical characteristics</i> (Identical)
IEC 118-1:1983	Part 1:1984 <i>Method for measurement of characteristics of hearing aids with induction pick-up coil input</i> (Identical)
IEC 118-7:1983	Part 7:1985 <i>Methods for measurement of the performance characteristics of hearing aids for quality inspection on delivery</i> (Identical)
IEC 263:1982	BS 6397:1983 <i>Specification for scales and sizes for plotting frequency characteristics and polar diagrams</i> (Identical)
IEC 373:1971	BS 4009:1975 <i>Specification for an artificial mastoid for the calibration of bone vibrators used in hearing aids and audiometers</i> (Technically equivalent)

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, 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.