

# Hearing aids —

## **Part 3: Methods for measurement of electroacoustical characteristics of hearing aid equipment not entirely worn on the listener**

# 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/24, upon which the following bodies were represented:

- British Hearing Aid Industry Association
- British Medical Association
- British Society of Audiology
- British Telecommunications plc
- Confederation of British Industry
- Department of Health
- Department of Trade and Industry (National Engineering Laboratory)
- Department of Trade and Industry (National Physical Laboratory)
- Health and Safety Executive
- Institute of Acoustics
- Institute of Sound and Vibration Research
- Institution of Electrical Engineers
- Medical Research Council
- National Health Services
- Royal Aeronautical Society
- Royal National Institute for the Deaf
- Society of Environmental Engineers
- Society of Hearing Aid Audiologists Limited
- University of Exeter

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# National foreword

This Part of BS 6083 has been prepared under the direction of the Electronic Equipment Standards Policy Committee and is identical with IEC 118-3:1983 “*Hearing aids — Part 3: Hearing aid equipment not entirely worn on the listener*”, published by the International Electrotechnical Commission (IEC). This standard implements Harmonization Document HD 450.3 S1, published by the European Committee for Electrotechnical Standardization (CENELEC), it reinstates a clause “7 Safety requirements” which had been originally part of the IEC publication, but had been excluded from the text of BS 6083-3:1984 which is withdrawn.

BS 6083 consists of the following Parts:

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

## Cross-references

| International Standard | Corresponding British Standard                                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC 118-0:1983         | BS 6083 <i>Hearing aids</i><br>Part 0:1984 <i>Methods for measurement of electroacoustical characteristics</i><br>(Identical)                  |
| IEC 268                | BS 6840 <i>Sound system equipment</i>                                                                                                          |
| IEC 268-3:1988         | Part 3:1989 <i>Methods for specifying and measuring the characteristics of sound system amplifiers</i><br>(Identical)                          |
| IEC 268-4:1972         | Part 4:1987 <i>Methods for specifying and measuring the characteristics of microphones</i><br>(Identical)                                      |
| IEC 711:1981           | BS 6310:1982 <i>Specification for occluded-ear simulator for the measurement of earphones coupled to the ear by ear inserts</i><br>(Identical) |