

Australian Standard[®]

Hearing aids

**Part 1: Hearing aids with induction
pick-up coil input**



This Australian Standard® was prepared by Committee AV-003, Acoustics—Human Effects. It was approved on behalf of the Council of Standards Australia on 3 November 2006. This Standard was published on 20 February 2007.

The following are represented on Committee AV-003:

- Association of Accredited Certification Bodies
 - Association of Australian Acoustical Consultants
 - Association of Consulting Engineers Australia
 - Audiological Society of Australia
 - Australasian Faculty of Occupational Medicine
 - Australian Acoustical Society
 - Australian Chamber of Commerce and Industry
 - Australian Council of Trade Unions
 - Australian Industry Group
 - Department of Consumer & Employment Protection, WorkSafe Division, WA
 - Department of Labour, NZ
 - National Acoustic Laboratories
 - New South Wales Nurses, Association
 - New Zealand Audiological Society
 - Royal Institute of Naval Architects
 - Safety Institute of Australia
 - The Australian Society of Otolaryngological Head and Neck Surgery
 - Victorian WorkCover Authority
 - WorkCover New South Wales
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Hearing aids

Part 1: Hearing aids with induction pick-up coil input

Originated as part of AS 1088—1971.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AV-003, Acoustics—Human Effects, to supersede AS 1088.1—1987.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify a method of determining the electroacoustic performance of hearing aids fitted with an induction pick-up coil and used in an audio-frequency magnetic field.

This Standard is identical with, and has been reproduced from IEC 60118-1, Ed. 3.1 (1999), *Hearing aids—Part 1: Hearing aids with induction pick-up coil input*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of IEC 60118-1’ should read ‘this Australian Standard.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

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STANDARDS AUSTRALIA

Australian Standard**Hearing aids—Part 1: Hearing aids with induction pick-up coil input**

1 Scope

This standard specifies a method of determining the electroacoustic performance of hearing aids fitted with an induction pick-up coil and used in an audio-frequency magnetic field. The induction pick-up performance is measured in a loop simulating conditions of use in room applications.

NOTE – Performance of induction pick-up coils in telephone magnetic fields may differ from results obtained using this standard.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60118. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60118 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60118-0:1983, *Hearing aids — Part 0: Measurement of electroacoustical characteristics*
Amendment 1 (1994)~~

AS 60118.0, *Hearing aids, Part 0: Measurement of electroacoustical characteristics* (identical to IEC 60118-0)

IEC 60711:1981, *Occluded-ear simulator for the measurement of earphones coupled to the ear by ear inserts*

3 Definitions

Terms and definitions other than those below are specified in IEC 60118-0 and IEC 60711.

3.1 test point

the position at which the strength of the magnetic field is defined

3.2 test space

a space which contains the test point where the hearing aid is to be placed for testing