

AS 1127.1—1989
IEC 268-1 (1985)

Australian Standard[®]

Sound system equipment

Part 1: General

This Australian Standard was prepared by Committee TE/8, Audio and Video Engineering and Recording. It was approved on behalf of the Council of Standards Australia on 1 November 1988 and published on 19 June 1989.

The following interests are represented on Committee TE/8:

Australian Broadcasting Corporation
Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Consumer Electronics Suppliers Association
Department of Transport and Communications
Federation of Australian Commercial Television Stations
Federation of Australian Radio Broadcasters
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Sound system equipment

Part 1: General

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PREFACE

This Standard was prepared by Standards Australia's Committee TE/8 on Audio and Video Engineering and Recording to supersede part of AS 1127.1—1973, *Sound system equipment, Part 1: General*. It is technically identical with, and has been reproduced from, IEC 268-1: Sound system equipment, Part 1: General.

The purpose of the Standard is to specify the performance of sound system equipment to compare different types of equipment and determine their proper application, by listing their physical characteristics and specifying, in separate documents, uniform methods of measurements to these characteristics.

For the purpose of this Australian Standard, the text of the IEC Publication used herein should be modified as follows:

- (a) *Terminology*. The words 'Australian Standard' should replace the words 'IEC Publication' wherever they appear.
- (b) *Cross-references*. The references to IEC Publications and ISO Standards should be replaced by reference to Australian Standards as follows:

| <i>Reference to International Standard</i> | <i>Appropriate Australian Standard</i> |
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| 27 Letter symbols to be used in electronic technology | 1046 Letter symbols for use in electrotechnology |
| 50 International electrotechnical vocabulary (IEV) | 1852 International electrotechnical vocabulary |
| 65 Safety requirements for mains operated electronic and related apparatus for household and similar general use | 3250 Approval and test specification—Mains operated electronic and related equipment for household and similar general use |
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| 225 Octave, half-octave and third-octave band filters intended for the analysis of sound and vibrations | Z41 Octave, half-octave and one-third octave band pass filters intended for the analysis of sound and vibrations |
| 263 Scales and sizes for plotting frequency characteristics and polar diagrams | — |
| 268 Sound system equipment | 1127 Sound system equipment |
| 268-1 Part 1: General | 1127.1 Part 1: General |
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| | | | |
|-------|---|------|--|
| ISO | | AS | |
| 266 | Acoustics—Preferred frequencies for measurements | 2533 | Acoustics—Preferred frequencies of measurement |
| GGIR | | | |
| 468.2 | Measurement of audio frequency noise in sound broadcasting, in sound recording systems and on sound programme circuits (Second Edition) | — | |
| 468.3 | Measurement of audio frequency noise voltage level in sound broadcasting (Third Edition) | — | |

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STANDARDS AUSTRALIA

Australian Standard**Sound system equipment****Part 1: General****1. Scope**

This standard applies to sound systems of any kind, and to the parts of which they are composed or which are used as auxiliaries to such systems.

This standard deals with the determination of the performance of sound system equipment, the comparison of these types of equipment and the determination of their proper practical application, by listing the characteristics which are useful for their specification and laying down uniform methods of measurements for these characteristics.

The standard is confined to a description of the different characteristics and the relevant methods of measurement; it does not in general specify performance (except in Part 10).

The complete standard consists of the following parts, in which the characteristics of various parts of sound systems and their methods of measurement are specified; some parts include preferred values:

- Part 1: General.
(Uniform characteristics and methods of measurement)
- Part 2: Explanation of General Terms.
(Explanation of general terms and calculation methods)
- Part 3: Sound System Amplifiers.
(Amplifiers forming part of a sound system for professional and domestic applications)
- Part 4: Microphones.
(Microphones in professional and domestic applications)
- Part 5: Loudspeakers.
(Loudspeakers in professional and domestic applications, treated as entirely passive elements)
- Part 6: Auxiliary Passive Elements.
(Attenuators, transformers, filters and equalizers, applied as separate units to be combined with other separate sound system units)
- Part 7: Headphones and Headsets.
(Headphones and headsets intended to be used on the human ear)
- Part 8: Automatic Gain Control Devices.
(Limiters and compressors)
- Part 9: Artificial Reverberation, Time Delay and Frequency Shift Equipment.
(Devices commonly employed to achieve special effects in sound systems)
- Part 10: Programme Level Meters
(Peak programme meters and vu-indicators)