

AS/NZS 3250:1995

Australian/New Zealand Standard

**Approval and test specification—
Mains operated electronic and
related equipment for household
and similar general use**

AS/NZS 3250:1995

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE/1, Safety of Electronic Equipment. It was approved on behalf of the Council of Standards Australia on 16 February 1995 and on behalf of the Council of Standards New Zealand on 31 January 1995. It was published on 5 May 1995.

The following interests are represented on Committee TE/1:

Association of New Zealand Electrical Appliance Distributors
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Information Industry Association
Australian Telecommunication Authority
Consumer Electronics Suppliers Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE/1 on Safety of Electronic Equipment, to supersede AS 3250—1990 in Australia and NZS/AS 3250—1990 in New Zealand.

This Specification is one of a series of Approval and Test Specifications issued by Standards Australia and Standards New Zealand and covers only safety matters and related conditions. It follows closely IEC 65* (Fifth Edition incorporating Amendments No. 1, No. 2 and No. 3), some of the requirements being varied to take account of local conditions.

Where this Specification deviates technically from IEC 65 by way of additional or different requirements, the deviation is indicated by a rule in the margin against the clause or part thereof affected.

A list of variations between this Specification and IEC 65 is given in Appendix A.

A list of variations between this publication and the 1990 edition of AS 3250 is given in Appendix B.

In this Specification the requirements proper appear in roman type and the test requirements appear in 'italic' type. Explanatory matters are contained in notes to the clauses, in a smaller roman type.

The following documents are referred to in this Specification:

AS

1046	Letter symbols for use in electrotechnology
1099	Basic environmental testing procedures for electrotechnology
1099.2B	Dry heat tests
1099.2.3	Test Ca—Damp heat, steady state
1099.2.6	Test Fc—Vibration (sinusoidal)
1102	Graphical symbols for electrotechnology
1104	Informative symbols for use on electrical and electronics equipment
1194	Winding wires
1255	Methods of test for electrical characteristics of solid plastics insulating materials
1255.2	Determination of insulation resistance
1368	Method for the determination of the Vicat softening point of thermoplastic materials
1660	Test methods for electric cables, cords and conductors
1660.4	Complete cable and flexible cord
1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment
2546	Printed boards
2546.1	General requirements and test methods

* IEC 65 Safety requirements for mains operated electronic and related equipment for household and similar general use.

Australian Approval and Test Specifications:**AS**

- 3100 General requirements for electrical equipment
- 3109 Appliance couplers for household and similar general purposes
- 3191 Electric flexible cords

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- 3108 Particular requirements for isolating transformers and safety isolating transformers
- 3112 Plugs and socket-outlets
- 3260 Safety of information technology equipment including electrical business equipment
- 3300 General requirements for household and similar electrical appliances
- 3350 Safety of household and similar electrical appliances
- 3350.1 Part 1: General requirements

ICRP

- 33 Protection against ionizing radiation from external sources used in medicine

IEC

- 83 Plugs and socket-outlets for domestic and similar general use
- 127 Cartridge fuse-links for miniature fuses
- 130-2 Connectors for frequencies below 3 Mhz, Part 2: Connectors for radio receivers and associated sound equipment
- 130-8 Connectors for frequencies below 3 Mhz, Part 8: Concentric connectors for audio circuits in radio receivers
- 130-9 Connectors for frequencies below 3 Mhz, Part 9: Circular connectors for radio and associated sound equipment
- 169-2 Radio-frequency connectors, Part 2: Coaxial unmatched connector
- 169-3 Radio frequency connectors, Part 3: Two pin connector for twin balanced aerial feeders.
- 249-1 Base materials for printed circuits, Part 1: Test methods
- 249-2 Base materials for printed circuits, Part 2: Specifications
- 317 Specifications for particular types of winding wires
- 364 Electrical installations of buildings
- 384.14 Sectional Specification: Fixed capacitors for radio interference suppression selection of methods of test and general requirements
- 417 Graphical symbols for use on equipment
- 707 Methods of test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source
- 825 Radiation safety of laser products, equipment classification, requirements and user's guide
- 1010-1 Safety requirements for electrical equipment for measurement, control and laboratory use, Part 1: General requirements

ISO

- 4046 Paper, board, pulp and related terms—Vocabulary

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