

AS 3200.2.20—1992  
IEC 601-2-20;1990

Australian Standard<sup>®</sup>

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**Medical electrical equipment**

**Part 2.20: Particular requirements  
for safety—Baby incubators  
(transport)**

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[IEC title: Medical electrical equipment  
Part 2: Particular requirements for safety of transport incubators]

This Australian Standard was prepared by Committee HT/19, Baby Incubators/Infant Care Units. It was approved on behalf of the Council of Standards Australia on 18 August 1992 and published on 21 December 1992.

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The following interests are represented on Committee HT/19:

Australasian College of Physical Scientists and Engineers in Medicine  
Australian Chamber of Commerce and Industry  
Australian College of Paediatrics  
Australian Federation for Medical and Biological Engineering  
Australian Nursing Federation  
Department of Health, Housing and Community Services  
Department of Health, N.S.W.  
Health Department, Vic.  
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## PREFACE

This Standard was prepared on behalf of the Standards Australia Multitechnics Standards Policy Board to supersede AS 3201.2—1971, *Approval and test specification for electro-medical equipment, Part 2: Electrically heated incubators for babies*. It is technically equivalent to and has been reproduced from IEC 601-2-20:1990, *Medical electrical equipment, Part 2: Particular requirements for safety of transport incubators*.

The Standard is one of a series of Approval and Test Specifications issued by Standards Australia for individual items of medical electrical equipment. It is supplementary to AS 3200.1—1990, *Approval and test specification—Medical electrical equipment, Part 1: General requirements for safety*. Only safety matters and closely aligned conditions are covered by this series. In some instances, however, these are more stringent than for most electrical appliances because of the additional requirements necessary to ensure the safety of the patient, and because of the environmental conditions, e.g. high humidity and hazardous locations, in which some equipment is likely to be used.

The International Standard IEC 601-2-20 modifies and supplements the corresponding clauses of IEC 601-1:1977, *Safety of medical electrical equipment, Part 1: General requirements*, first edition. This has since been revised and published as IEC 601-1:1988, *Medical electrical equipment, Part 1: General requirements for safety*, second edition. The second edition has been adopted as the Australian Standard AS 3200.1—1990, *Approval and test specification—Medical electrical equipment, Part 1: General requirements for safety*, hereinafter referred to as the General Standard.

In order that IEC 601-2-20 and the General Standard are compatible, the titles of the following sections, clauses and subclauses have been amended:

- i) Sections 2; 6; 7; 8; and 9.
- ii) Clauses 10; 24; and 55.
- iii) Subclause 56.6.

The clauses of this Particular Standard supplement or modify the corresponding clauses in AS 3200.1—1990. As stated in Clause 1.3 of AS 3200.1—1990, the requirements of a Particular Standard take priority, where appropriate over those of AS 3200.1—1990. Where the reference in the text of this Standard indicates an ‘amendment’, ‘addition’ or ‘replacement’ of the relevant requirements, tests or explanatory notes of AS 3200.1—1990, these changes are made to the relevant text which then becomes part of the Standard.

Subclauses or figures which are additional to the General Standard are numbered starting from 101; additional appendices are indicated by a sequence of double capitals e.g. AA), BB), and additional items are denoted by an aa), bb), .... sequence.

In some parts of this series, the Australian requirements differ from the IEC specifications. To accommodate Australian conditions and well-accepted safety practices, a marginal bar is placed alongside the IEC text, and Appendix ZZ details the Australian specifications and rationale for the deviations.

In addition an Australian Appendix has been developed (Appendix TT), which lists acceptable tolerances for measurements not otherwise specified in the main text of this Standard.

In the text of this Standard, the following print types are used:

- Requirements, compliance with which can be tested and definitions: . . . . . in roman type.
- Explanations, advice, introductions, general statements, exceptions and references in smaller roman type.
- Headings of subclauses and test specifications . . . . . *in italic type*.
- Terms used throughout the Standard, which have been defined in Clause 2 and which are also in the index . . . . . IN SMALL CAPITALS .
- An asterisk is placed before each clause for which rationale is included in Appendix AA.

This Standard requires reference to other Standards which are detailed in Appendix LL.

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3

CONTENTS

SECTION ONE — GENERAL

1. Scope and object . . . . .	5
2. Terminology and definitions . . . . .	5a
3. General requirements . . . . .	6
4. General requirements for tests . . . . .	6
5. Classification . . . . .	7
6. Identification, marking and documents . . . . .	7
7. Power input . . . . .	9

SECTION TWO - ENVIRONMENTAL CONDITIONS

10. Environmental conditions . . . . .	10
--	----

SECTION THREE - PROTECTION AGAINST ELECTRIC SHOCK HAZARDS

20. Dielectric strength . . . . .	10
-----------------------------------	----

SECTION FOUR - PROTECTION AGAINST MECHANICAL HAZARDS

21. Mechanical strength . . . . .	10
22. Moving parts . . . . .	11
23. Surfaces, corners and edges . . . . .	11
24. Stability in NORMAL USE . . . . .	12

SECTION FIVE - PROTECTION AGAINST HAZARDS FROM UNWANTED OR EXCESSIVE RADIATION

SECTION SIX - PROTECTION AGAINST HAZARDS OF IGNITION OF FLAMMABLE ANAESTHETIC MIXTURES

SECTION SEVEN - PROTECTION AGAINST EXCESSIVE TEMPERATURES, AND OTHER SAFETY HAZARDS

42. Excessive temperatures . . . . .	14
43. Fire prevention . . . . .	14
44. Overflow, spillage, leakage, humidity, ingress of liquids, cleaning, sterilization and disinfection . . . . .	15
45. Pressure vessels and parts subject to PRESSURE . . . . .	16
46. Human errors . . . . .	16
49. Interruption of the power supply . . . . .	17

SECTION EIGHT - ACCURACY OF OPERATING DATA AND PROTECTION AGAINST HAZARDOUS OUTPUT

50. Accuracy of operating data . . . . .	17
51. Protection against hazardous output . . . . .	20

SECTION NINE - ABNORMAL OPERATION AND FAULT CONDITIONS; ENVIRONMENTAL TESTS

SECTION TEN - CONSTRUCTIONAL REQUIREMENTS

54. General . . . . .	20
55. ENCLOSURES and covers . . . . .	21
56. Components and general assembly . . . . .	21

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