

Australian Standard™

**Quantities and units**

**Part 0: General principles**

This Australian Standard was prepared by Committee ME-071, Quantities, Units and Conversions. It was approved on behalf of the Council of Standards Australia on 21 June 2002 and published on 5 August 2002.

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The following are represented on Committee ME-071:

CSIRO, Telecommunications and Industrial Physics  
National Standards Commission  
National Association of Testing Authorities Australia  
The University of Melbourne

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# Australian Standard™

## Quantities and units

### Part 0: General principles

Originated as AS 2900.0—1986.  
Second edition 2002.

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Published by Standards Australia International Ltd  
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4657 8

## PREFACE

This Standard was prepared by the Standards Australia Committee ME-071, *Quantities, Units and Conversions*, to supersede AS 2900.0—1986, *Quantities, units, and symbols, Part 0: General principles concerning quantities, units, and symbols*.

This Standard is identical with, and has been reproduced from, ISO 31-0:1992/Amd.1:1998, *Quantities and units, Part 0: General principles*.

The amendment to ISO 31-0:1992 is included in this document and is shown by a bar line set against the affected text.

The objective of this Standard is to provide users with general information about principles concerning physical quantities, equations, quantity and unit symbols, and coherent unit systems, especially the International System of Units, SI.

Users of this Standard are advised by Standards Australia, under arrangements with ISO and IEC, as well as certain other Standards organizations, that the number of this Standard is not reproduced on each page; its identity is shown only on the cover and title pages.

For the purpose of this Standard, the ISO text should be modified as follows:

- (a) *Terminology* The words ‘this Australian Standard’ should replace the words ‘this International Standard’ wherever they appear.
- (b) *Decimal marker* Substitute a full point for a comma where it appears as a decimal marker.
- (c) *References* The reference to the International Standards should be replaced by reference to the following Australian Standard:

<i>Reference to International Standard or other Publication</i>	<i>Australian Standard</i>
ISO	AS
31 Quantities and units	2900 Quantities and units
31-1 Part 1: Space and time	2900.1 Part 1: Space and time
31-3 Part 3: Mechanics	2900.3 Part 3: Mechanics
31-4 Part 4: Heat	2900.4 Part 4: Heat
31-5 Part 5: Electricity and magnetism	2900.5 Part 5: Electricity and magnetism
31-10 Part 10: Nuclear reactions and ionizing radiations	2900.10 Part 10: Nuclear reactions and ionizing radiations
31-11 Part 11: Mathematical signs and symbols for use in the physical sciences and technology	2900.11 Part 11: Mathematical signs and symbols for use in the physical sciences and technology
31-12 Part 12: Characteristic numbers	2900.12 Part 12: Characteristic numbers
31-13 Part 13: Solid state physics	2900.13 Part 13: Solid state physics

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