

AS 1284.6—1992

Australian Standard<sup>®</sup>

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## **Electricity metering**

### **Part 6: Ripple control receivers for tariff and load control**

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This Australian Standard was prepared by Committee EL/11, Electricity Metering Equipment. It was approved on behalf of the Council of Standards Australia on 26 June 1992 and published on 12 October 1992.

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The following interests are represented on Committee EL/11:

Australian Electrical and Electronic Manufacturers Association

Confederation of Australian Industry

Electricity Supply Association of Australia

National Standards Commission

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## PREFACE

This Standard was prepared by the Standards Australia Committee on Electricity Metering Equipment. With the exception of the Foreword and Appendix AA, it is identical with and has been reproduced from IEC 1037:1990, *Electronic ripple control receivers for tariff and load control*. This Standard is a Part of AS 1284, *Electricity Metering*, which is published in parts as follows:

AS

- 1284.1 Part 1: General purpose induction watthour meters
- 1284.2 Part 2: Portable alternating current rotating standard watthour meters
- 1284.3 Part 3: Induction watthour meters — Energy demand type
- 1284.4 Part 4: Socket mounting system
- 1284.5 Part 5: General purpose electronic watthour meters
- 1284.6 Part 6: Ripple control receivers for tariff and load control

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For the purposes of this Australian Standard, the IEC text should be modified as follows:

- (i) *General* As specified in Appendix AA (see also marginal bars).
- (ii) *Decimal marker* Substitute a full point for a comma as a decimal marker.
- (iii) *References* Replace references to other publications by references to Australian Standards as follows:

NOTE: It is for the reader to investigate any differences between the listed International and Australian Standards.

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
50	International Electrotechnical Vocabulary	1852	International electrotechnical vocabulary
50(301)	Chapter 301: General terms on measurements in electricity	1852.301	General terms on measurements in electricity
50(302)	Chapter 302: Electrical measuring instruments	1852.302	Electrical measuring instruments
50(303)	Chapter 303: Electronic measuring instruments	1852.303	Electronic measuring instruments
60	High-voltage test techniques	1931	High voltage testing techniques
68	Environmental testing	1099	Basic environmental testing procedures for electrotechnology
68-2-1	Part 2: Tests Tests A: Cold	1099.2Aa 1099.2Ab 1099.2Ad	} Cold tests (bound together)
68-2-2	Part 2: Tests Tests B: Dry heat	1099.2Ba 1099.2Bb 1099.2Bc	
68-2-6	Part 2: Tests Test Fc and guidance: Vibration (sinusoidal)	1099.2.6	
68-2-27	Part 2: Tests Test Ea and guidance: Shock	1099.2.27	Tests Ea — Shock
68-2-30	Part 2: Tests Test Db and guidance: Dampheat cyclic (12 + 12-hour cycle)	1099.2.Db	Dampheat, cyclic (12 + 12 hours)
85	Thermal evaluation and classification of electrical insulation	2768	Electrical insulating materials — Evaluation and classification based on thermal endurance

255	Electrical relays		(No Australian equivalent)
255-4	Part 4: Single input energizing quantity measuring relays with dependent specified time		See AS 2481, <i>All-or-nothing electrical relays (instantaneous and timing relays)</i>
269	Low-voltage fuses	2005	Low voltages fuses — Fuses with enclosed fuse-links
269-3	Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)	2005.3	Part 3: Fuses for household and similar appliances
410	Sampling plans and procedures for inspection by attributes		(No Australian equivalent)
417	Graphical symbols for use on equipment — Index, survey and compilation of the single sheets	1104	Informative symbols for use on electrical and electronic equipment
		1104S	Individual symbol sheets
529	Degrees of protection provided by enclosures (IP Code)	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
664	Insulation co-ordination within low-voltage systems including clearances and creepage distances for equipment		(No Australian equivalent)
695	Fire hazard testing	2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment
695-2-1	Part 2: Test methods Glow-wire test and guidance		(No Australian equivalent)
721	Classification of environmental conditions		(No Australian equivalent)
721-3-3	Part 3: Classification of groups of environmental parameters and their severities — Stationary use at weather-protected locations		
801	Electromagnetic compatibility for industrial-process measurement and control equipment		(No Australian equivalent)
801-2	Part 2: Electrostatic discharge requirements Part 3: Radiated electromagnetic field requirements Part 4: Electrical fast transient/burst requirements		
817	Spring-operated impact-test apparatus and its calibration		(No Australian equivalent) (See Figure 2.1 of AS 1284.1)
IEC/CISPR			
14	Limits and methods of measurements of radio interference characteristics of household electrical appliances, portable tools and similar electrical apparatus	1044	Electromagnetic interference — Household electrical appliances, portable tools and similar electric equipment — Limits and methods of measurements

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