

Australian Standard®

Electricity metering

**Part 12: Polyphase multifunction
(non-demand) watthour meters
(Class 1)**

This Australian Standard was prepared by Committee EL/11, Electricity Metering Equipment. It was approved on behalf of the Council of Standards Australia on 30 August 1995 and published on 5 November 1995.

The following interests are represented on Committee EL/11:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Electricity Supply Association of Australia
Ministry of Commerce, New Zealand
National Standards Commission

Additional interests participating in preparation of Standard:

Electricity Council of N.S.W., Customer Automation Task Force

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 1284.12—1995

Electricity metering

Part 12: Polyphase multifunction (non-demand) watt-hour meters (Class 1)

RECONFIRMATION NOTICE

Technical Committee EL-011 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 26 August 2019.

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Australian Energy Market Operator
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Energy Networks Australia
National Electrical and Communications Association
National Measurement Institute

NOTES

Australian Standard[®]

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electricity Metering Equipment and was based on a draft specification from the Customer Automation Task Force of the Electricity Council of N.S.W.

The objective of this Standard is to provide electricity utilities and manufacturers with a product specification which could form the greater part of a purchasing specification for a particular multifunction meter.

This Standard is Part 12 of AS 1284, *Electricity Metering*, which is published in Parts as follows:

- Part 1: General purpose induction watthour meters
- Part 2: Portable alternating current rotating standard watthour meters
- Part 3: Induction watthour meters—Energy demand type
- Part 4: Socket mounting system
- Part 5: General purpose electronic watthour meters
- Part 6: Ripple control receivers for tariff and load control
- Part 7: Internal clocks for meters and load control devices
- Part 8: Polyphase multifunction demand watthour meters (Class 1)
- Part 9: Electronic watthour meters (Classes 0.2 S and 0.5 S)
- Part 10.1: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—IEC Standard interface
- Part 10.2: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—ANSI Standard interface
- Part 11: Single-phase multifunction watthour meters
- Part 12: Polyphase multifunction (non-demand) watthour meters (Class 1)

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard
Electricity metering

Part 12: Polyphase multifunction (non-demand) watthour meters (Class 1)

1 SCOPE This Standard specifies requirements and desirable features of polyphase multifunction (non-demand) watthour meters (Class 1), either direct-connected or for connection via current transformers (CTs). No provision is made for connection via voltage transformers (VTs).

The Standard applies to meters that are suitable for installation outdoors on 240/415 V, 50 Hz systems with time-of-use (TOU) tariffs, block tariffs, controlled tariffs or combinations thereof.

NOTE: This Standard also lists information to be supplied with enquiries and orders for meters (see Appendix A).

2 APPLICATION This Standard shall be read in conjunction with AS 1284.1, AS 1284.5, AS 1284.6, AS 1284.7, AS 1284.10.1, AS 1284.10.2, AS 4140, AS 4141.1 and AS 4141.3.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1284	Electricity metering
1284.1	Part 1: General purpose induction watthour meters
1284.5	Part 5: General purpose electronic watthour meters
1284.6	Part 6: Ripple control receivers for tariff and load control
1284.7	Part 7: Internal clocks for tariff and load control devices
1284.10.1	Part 10.1: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—IEC Standard interface
1284.10.2	Part 10.2: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—ANSI Standard interface
4140	Metering and utility information exchange—Glossary of terms
4141	Customer/utility information exchange
4141.1	Part 1: System architecture and functionality
4141.3	Part 3: Customer premises interfaces

Electronic Industries Association

EIA/TIA

232-E	Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange
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