AS 1284.12—1995
Reconfirmed 2019

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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This Standard was issued in draft form for comment as DR 95055.

STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 1284.12—1995
Electricity metering
Part 12: Polyphase multifunction (non-demand) watthour 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.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

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

The following are represented on Technical Committee EL-011:

Australian Chamber of Commerce and Industry
Australian Energy Council
Australian Energy Market Operator
Australian Industry Group
Consumers Federation of Australia
Electrical Regulatory Authorities Council
Energy Networks Australia
National Electrical and Communications Association
National Measurement Institute

NOTES

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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