

Australian Technical Specification

Meters for non-urban water supply

Part 1: Glossary of terms



This Australian Technical Specification was prepared by Committee CE-024, Measurement of Water Flow in Open Channels and Closed Conduits. It was approved on behalf of the Council of Standards Australia on 23 March 2008.

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- Australian Industry Group
 - Department of Natural Resources and Water, Qld
 - Institute of Instrumentation, Control and Automation Australia
 - Irrigation Australia
 - National Measurement Institute
 - NSW Department of Commerce
 - University of South Australia
 - Water and Wastewater Association of Australia
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Technical Specification through their representation on the Committee.

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PREFACE

This Australian Technical Specification was prepared by the Standards Australia Committee CE-024, Measurement of Water Flow in Open Channels and Closed Conduits.

The objective of this Australian Technical Specification is to provide the glossary of terms used in ATS 4747, *Meters for non-urban water supply*, suite of specifications.

This Australian Technical Specification is part of a suite of Australian Technical Specifications covering the metering of non-urban water supply, as follows:

ATS

4747	Meters for non-urban water supply
4747.1	Part 1: Glossary of terms
4747.2	Part 2: Specification for closed conduit meters fully charged
4747.3	Part 3: Specification for open channel meters
4747.5	Part 5: Installation and commissioning of closed conduit meters fully charged
4747.6	Part 6: Installation and commissioning of open channel meters
4747.8	Part 8: In-service compliance for closed conduit meters fully charged
4747.9	Part 9: In-service compliance for open channel meters

The ATS 4747 suite is being published in the first instance as Australian Technical Specifications. Following a period of trial and review of no more than 2 years it is intended to republish it as an Australian Standard.

The terms ‘normative’ and ‘informative’ have been used in this Australian Technical Specification to define the application of the Appendix to which they apply. A ‘normative’ Appendix is an integral part of an Australian Technical Specification. An ‘informative’ Appendix is for information and guidance only.

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STANDARDS AUSTRALIA

**Australian Technical Specification
Meters for non-urban water supply**
Part 1: Glossary of terms

This document sets out the glossary of terms required for the use of the ATS 4747, *Meters for non-urban water supply*, suite of specifications.

In addition, for the purposes of the ATS 4747, *Meters for non-urban water supply*, suite of specifications, the definitions in the International Vocabulary of Basic and General Terms in Metrology (VIM), The Vocabulary of Legal Metrology (VML), and AS 3778.1, *Measurement of water flow in open channels*, Part 1: *Vocabulary and symbols*, apply.

1 GENERAL

May	Indicates the existence of an option
Shall	Indicates that a statement is mandatory
Should	Indicates a recommendation

2 WATER METER AND ITS CONSTITUENTS

Adjustment device A device, incorporated in the meter, that only allows the error curve to be shifted generally parallel to itself, with a view to bringing errors (of indication) within the MPEs.

Ancillary device A device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results. The main ancillary devices are—

- zero setting device;
- repeating indicating device;
- printing device; and
- memory device.

NOTE: Ancillary devices are only subject to metrological control if they are used for trade.

Associated measuring instruments Instruments connected to the calculator, the correction device or the conversion device, for measuring certain quantities that are characteristic of water, with a view to making a correction and/or conversion.

Calculator Part of the meter that receives the output signals from the transducer(s) and, possibly, associated measuring instruments, transforms them and, if appropriate, stores the results in memory until they are used. In addition, the calculator may be capable of communicating both ways with ancillary devices.



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