

Australian Technical Specification

Meters for non-urban water supply

Part 3: Specifications for open channel meters



This Australian Technical Specification was prepared by Committee CS-024, Measurement of Water Flow in Open Channels and Closed Conduits. It was approved on behalf of the Council of Standards Australia on 6 May 2008.

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The following are represented on Committee CS-024:

- 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 Australian Committee CE-024, Measurement of Water Flow in Open Channels and Closed Conduits.

The objective of this Australian Technical Specification is to provide manufacturers with requirements for irrigation and non-urban water meters to meet the requirements of the National Water Initiative Clause 88.

NMI M11-1, *Metrological and technical requirements*, specifies the metrological and technical requirements for pattern approval and verification of water meters to comply with the National Measurement Regulations. Where appropriate, the requirements of this Australian Technical Specification are sourced from NMI M11-1 and NMI M11-2, *Test methods*, both of which take precedence over the metrological requirements of this Australian Technical Specification (see Appendix H).

This Australian Technical Specification includes essential requirements that are up to date with current progress in the water meter industry technology.

This document 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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	5
1.2 APPLICATION	5
1.3 NORMATIVE REFERENCES	6
1.4 DEFINITIONS	8
1.5 PREFERRED UNITS	8
SECTION 2 MATERIALS	
2.1 GENERAL	9
2.2 RESISTANCE TO CORROSION	9
SECTION 3 METHODOLOGY	
3.1 GENERAL	10
3.2 METHODS	10
SECTION 4 PRINCIPLES OF MEASUREMENT—MODULAR METERING SYSTEMS	
4.1 REQUIREMENTS RELATED TO SPECIFIC TECHNOLOGIES	11
4.2 METERING OF PARTIALLY FILLED PIPES	12
4.3 MODULAR OPEN CHANNEL METERING SYSTEMS	12
4.4 VELOCITY AREA METHODS	12
4.5 FLOW COMPUTER	12
SECTION 5 PRINCIPLES OF MEASUREMENT—SELF-CONTAINED UNITS	
5.1 GENERAL	14
5.2 INSTALLATION CONDITIONS	14
SECTION 6 DESIGN	
6.1 DISPLAY	15
6.2 OUTPUT	16
6.3 ELECTRONIC STORAGE	19
6.4 FREQUENCY OF MEASUREMENT	19
6.5 WATER METERS EQUIPPED WITH ELECTRONIC DEVICES	19
6.6 PROTECTIVE DEVICES	21
6.7 FROST PROTECTION	21
6.8 REVERSE FLOW	21
6.9 OPERATING RANGE	21
6.10 ADJUSTMENT OF WATER METERS	21
6.11 ELECTRONIC SEALING DEVICES	22
6.12 ENVIRONMENTAL REQUIREMENTS	23
6.13 ENCLOSURE	23
SECTION 7 PERFORMANCE REQUIREMENTS	
7.1 GENERAL	24
7.2 MEASUREMENT PERFORMANCE	24
7.3 HEAD LOSS	26
7.4 OPERATING TEMPERATURE	26
7.5 ULTRAVIOLET LIGHT EXPOSURE	26
7.6 ELECTROMAGNETIC SUSCEPTIBILITY	27
7.7 LEAKAGE	27

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