AS 3778.4.6:2022
ISO 4377:2012

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Measurement of water flow in open channels

Part 4.6: Measurement using flow gauging structures — Flat-V weirs (ISO 4377:2012, IDT)

AS 3778.4.6:2022

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Australian Bureau of Meteorology
Australian Hydrographers Association
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Department of Planning, Industry and Environment, NSW
Engineers Australia
Institute of Instrumentation, Control & Automation Australia
Irrigation Australia
Joint Accreditation System of Australia & New Zealand
National Measurement Institute
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Preface

This Standard was prepared by the Standards Australia Committee CE-024, Measurement of water flow in open channels and closed conduits, to supersede AS 3778.4.6 — 2007.

The objective of this document is to specify the methods of measurement of flow in rivers and artificial channels under steady or slowly varying conditions using flat-V weirs.

This document is identical with, and has been reproduced from, ISO 4377:2012, *Hydrometric determinations — Flow measurement in open channels using structures — Flat-V weirs*.

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Foreword

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ISO 4377 was prepared by Technical Committee ISO/TC 113, *Hydrometry*, Subcommittee SC 2, *Flow measurement structures*.

This fourth edition cancels and replaces the third edition (ISO 4377:2002), which has been technically revised to update the treatment of uncertainty to be consistent with the other standards relating to flow measurement structures.

NOTES

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1 Scope

This International Standard describes the methods of measurement of flow in rivers and artificial channels under steady or slowly varying conditions using flat-V weirs (see Figure 1).

Annex A gives guidance on acceptable velocity distribution.

2 Normative references

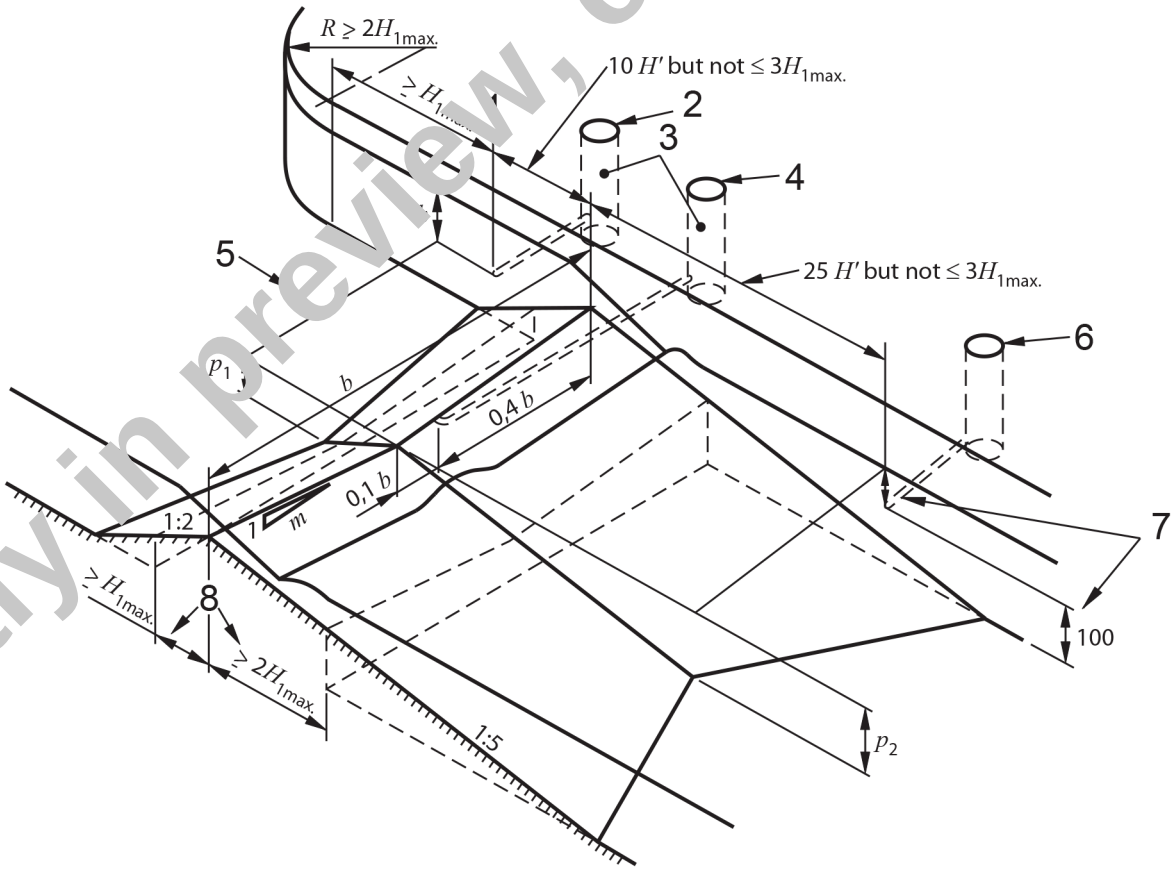
The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies

ISO 772, *Hydrometry — Vocabulary and symbols*

ISO/TS 25377, *Hydrometric uncertainty guidance (HUG)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 772 apply.



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