



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 4064-3:2014

# Water meters for cold potable water and hot water - Part 3: Test report format (ISO 4064-3:2014)

**I.S. EN ISO 4064-3:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Correction Notice

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**Please include the following minor editorial correction(s) in the document related to:**

the following language version(s) :

- ☒ English
- ☒ French
- ☐ German

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- ☐ PQ/UQ
- ☐ Enquiry
- ☐ 2nd Enquiry
- ☐ Parallel Enquiry
- ☐ 2<sup>nd</sup> Parallel Enquiry
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- ☐ Parallel Formal Vote
- ☐ 2<sup>nd</sup> Parallel Formal Vote
- ☐ UAP
- ☐ TC Approval
- ☐ 2<sup>nd</sup> TC Approval
- ☐ Publication
- ☒ Parallel Publication

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It has been brought to our attention that this document, issued on 2014-06-04, requires modification.

The superseding information has been removed.

Please find enclosed the updated English and French versions.

We apologise for any inconvenience this may cause.

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EUROPEAN STANDARD

**EN ISO 4064-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2014

ICS 91.140.60

English Version

## Water meters for cold potable water and hot water - Part 3: Test report format (ISO 4064-3:2014)

Compteurs d'eau potable froide et d'eau chaude - Partie 3:  
Format du rapport d'essai (ISO 4064-3:2014)

Wasserzähler zum Messen von kaltem Trinkwasser und  
heißem Wasser - Teil 3: Format des Prüfberichtes (ISO  
4064-3:2014)

This European Standard was approved by CEN on 21 September 2013.

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## **Foreword**

This document (EN ISO 4064-3:2014) has been prepared by Technical Committee ISO/TC 30 "Measurement of fluid flow in closed conduits" in collaboration with Technical Committee CEN/TC 92 "Water meters" the secretariat of which is held by SNV.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by June 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### **Endorsement notice**

The text of ISO 4064-3:2014 has been approved by CEN as EN ISO 4064-3:2014 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
4064-3**

Fourth edition  
2014-06-01

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## **Water meters for cold potable water and hot water —**

### **Part 3: Test report format**

*Compteurs d'eau potable froide et d'eau chaude —*

*Partie 3: Format du rapport d'essais*



Reference number  
ISO 4064-3:2014(E)

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**ISO 4064-3:2014(E)**



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## ISO 4064-3:2014(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2, [www.iso.org/directives](http://www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received, [www.iso.org/patents](http://www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committees responsible for this document are Technical Committee ISO/TC 30, *Measurement of fluid flow in closed conduits*, Subcommittee SC 7, *Volume methods including water meters* and OIML Technical Subcommittee TC 8/SC 5 *Water meters*.

This fourth edition of ISO 4064-3 cancels and replaces the third edition (ISO 4064-3:2005), which has been technically revised. Provisions of the third edition are addressed in ISO 4064-2:2014|OIML R 49-2:2013.

ISO 4064 consists of the following parts, under the general title *Water meters for cold potable water and hot water*:

- *Part 1: Metrological and technical requirements*
- *Part 2: Test methods*
- *Part 3: Test report format*
- *Part 4: Non-metrological requirements not covered in ISO 4064-1*
- *Part 5: Installation requirements*

This edition of ISO 4064-3 is identical to the corresponding edition of OIML R 49-3, which has been issued concurrently. OIML R 49-3 was approved for final publication by the International Committee of Legal Metrology at its 48th meeting in Ho Chi Minh City, Vietnam in October 2013. It will be submitted to the International Conference on Legal Metrology in 2016 for formal sanction.

## Introduction

Implementation of this test report format is informative with regard to the implementation of ISO 4064-1|OIML R 49-1 and ISO 4064-2|OIML R 49-2 in national regulations; however, its implementation is required within the framework of the OIML Certificate System for Measuring Instruments [ISO 4064-2:2014|OIML R 49-2:2013, 11.1].

[Clause 4](#) shows the required format of a type evaluation report for a complete or combined water meter.

A type evaluation report for a separable calculator (including indicating device) or a measurement transducer (including flow or volume sensor) requires a similar format. However, some modifications to the tables may be required because a large number of variations in the design of these separable units is possible.

Some examples of tables for presenting the test results for separable units are shown in [Clause 5](#) for initial verifications. These tables can also be adapted for type evaluation reports.



# Water meters for cold potable water and hot water —

## Part 3: Test report format

### 1 Scope

This part of ISO 4064|OIML R 49 specifies a test report format to be used in conjunction with ISO 4064-1|OIML R 49-1 and ISO 4064-2|OIML R 49-2 for water meters for cold potable water and hot water.

### 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 4064-1:2014|OIML R 49-1:2013, *Water meters for cold potable water and hot water — Part 1: Metrological and technical requirements*

ISO 4064-2:2014|OIML R 49-2:2013, *Water meters for cold potable water and hot water — Part 2: Test methods*

### 3 Terms, definitions, symbols, and abbreviated terms

For the purposes of this document, the terms and definitions given in ISO 4064-1|OIML R 49-1 apply.

Some symbols and abbreviated terms used in the tables are as follows.

|     |                                |
|-----|--------------------------------|
| +   | pass                           |
| –   | fail                           |
| n/a | not applicable                 |
| EUT | equipment under test           |
| H   | horizontal                     |
| MAP | maximum admissible pressure    |
| MAT | maximum admissible temperature |
| MPE | maximum permissible error      |
| V   | vertical                       |

### 4 Type evaluation report

#### 4.1 General

For each examination and test the checklist shall be completed according to this example:

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