

**SLOVENSKI STANDARD
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Vodomeri za merjenje hladne pitne vode in vroče vode - 5. del: Zahteve za vgradnjo (ISO 4064-5:2014)

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Water meters intended for the metering of cold potable water and hot water - Part 5: Installation requirements (ISO 4064-5:2014)

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Wasserzähler zum Messen von kaltem Trinkwasser und heißem Wasser - Teil 5: Einbaubedingungen (ISO 4064-5:2014)

Compteurs d'eau destinés au mesurage de l'eau potable froide et chaude - Partie 5: Exigences d'installation (ISO 4064-5:2014)

Ta slovenski standard je istoveten z: EN ISO 4064-5:2014

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17.120.10	Pretok v zaprtih vodih	Flow in closed conduits
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

SIST EN ISO 4064-5:2015**en**

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EUROPEAN STANDARD

EN ISO 4064-5

NORME EUROPÉENNE

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English Version

Water meters for cold potable water and hot water - Part 5: Installation requirements (ISO 4064-5:2014)

Compteurs d'eau potable froide et d'eau chaude - Partie 5:
Exigences d'installation (ISO 4064-5:2014)

Wasserzähler zum Messen von kaltem Trinkwasser und
heißem Wasser - Teil 5: Einbaubedingungen (ISO 4064-
5:2014)

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

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN ISO 4064-5:2014) 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 supersedes EN 14154-2:2005+A2:2011.

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.

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INTERNATIONAL
STANDARD

ISO
4064-5

First edition
2014-06-01

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

**Part 5:
Installation requirements**

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

Partie 5: Exigences d'installation
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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.

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.

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

The committee responsible for this document is ISO/TC 30, *Measurement of fluid flow in closed conduits*, Subcommittee SC 7, *Volume methods including water meters*. It supersedes ISO 4064-2:2005, which has been technically revised.

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

Water meters for cold potable water and hot water —

Part 5: Installation requirements

1 Scope

This part of ISO 4064 applies to water meters used to meter the volume of cold potable water and hot water flowing through a fully charged, closed conduit. These water meters incorporate devices which indicate the integrated volume.

This part of ISO 4064 specifies criteria for the selection of single, combination and concentric water meters, associated fittings, installation, special requirements for meters, and the first operation of new or repaired meters to ensure accurate constant measurement and reliable reading of the meter.

In addition to meters based on mechanical principles, this part of ISO 4064 also applies to water meters based on electrical or electronic principles, and to water meters based on mechanical principles incorporating electronic devices, used to measure the volume of cold potable water and hot water. It also applies to electronic ancillary devices. Ancillary devices are optional. However, national or international regulations may make some ancillary devices mandatory in relation to the utilization of the water meter.

The recommendations of this part of ISO 4064 apply to water meters, irrespective of technology, defined as integrating measuring instruments continuously determining the volume of water flowing through them.

NOTE Any national regulations apply in the country of use.

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 6817, *Measurement of conductive liquid flow in closed conduits — Method using electromagnetic flowmeters*

3 Terms and definitions

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

3.1 parallel operation

<water meters> operation of two or more meters grouped together and connected to a common source and a common delivery

3.2 multiple meter operation

operation of several meters grouped together where their inlets are connected to a common source, or their outlets to a common delivery, but not both at the same time