

**Veearvestid külmale joogiveele ja kuumale veele. Osa 1:
Metrooloogilised ja tehnilised nõuded**

**Water meters for cold potable water and hot water - Part
1: Metrological and technical requirements (ISO
4064-1:2014)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 4064-1:2014 sisaldab Euroopa standardi EN ISO 4064-1:2014 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 4064-1:2014 consists of the English text of the European standard EN ISO 4064-1:2014.
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English Version

Water meters for cold potable water and hot water - Part 1: Metrological and technical requirements (ISO 4064-1:2014)

Compteurs d'eau potable froide et chaude - Partie 1:
Exigences métrologiques et techniques (ISO 4064-1:2014)

Wasserzähler zum Messen von kaltem Trinkwasser und
heißem Wasser - Teil 1: Metrologische und technische
Anforderungen (ISO 4064-1:2014)

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Foreword

This document (EN ISO 4064-1:2014) 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of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by June 2017.

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This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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Endorsement notice

The text of ISO 4064-1:2014 has been approved by CEN as EN ISO 4064-1:2014 without any modification.

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Water meters for cold potable water and hot water —

Part 1: Metrological and technical requirements

1 Scope

This part of ISO 4064|OIML R 49 specifies the metrological and technical requirements for water meters for cold potable water and hot water flowing through a fully charged, closed conduit. These water meters incorporate devices which indicate the integrated volume.

In addition to water meters based on mechanical principles, this part of ISO 4064|OIML R 49 applies to devices based on electrical or electronic principles, and mechanical principles incorporating electronic devices, used to measure the volume of cold potable water and hot water.

This part of ISO 4064|OIML R 49 also applies to electronic ancillary devices. Ancillary devices are optional. However, it is possible for national or regional regulations to render some ancillary devices mandatory in relation to the utilization of water meters.

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

3 Terms and definitions

For the purposes of this document, the following definitions apply.

NOTE This terminology conforms to that used in ISO/IEC Guide 99:2007|OIML V 2-200:2012,^[1] OIML V 1:2013^[2] and OIML D 11.^[3] Modified versions of some terms defined in References^{[1]–[3]} are listed here.

3.1 Water meter and its constituents

3.1.1 water meter

instrument intended to measure continuously, memorize, and display the volume of water passing through the measurement transducer at metering conditions

Note 1 to entry: A water meter includes at least a measurement transducer, a calculator (including adjustment or correction devices, if present) and an indicating device. These three devices can be in different housings.

Note 2 to entry: A water meter may be a combination meter (see [3.1.16](#)).

Note 3 to entry: In this International Standard, a water meter is also referred to as a “meter”.