MAURITIAN STANDARD

MS ISO 4064-5:2014

First edition
2014-10-25

Water meters for cold potable water and hot water –

Part 5: Installation requirements

ICS 91.140.60

Mauritius Standards Bureau
Moka

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National foreword

This Mauritian Standard is identical with the International Standard **ISO 4064-5**:**2014(E),** *Water meters for cold potable water and hot water -- Part 5: Installation requirements*. It was adopted by the Mauritius Standards Bureau on the recommendation of the **Metrology Standards Committee** through its Subcommittee on Water Meters and approval of the Standards Council on August 2014. It was notified in the Government Gazette on **25 October 2014. ***

For the purposes of this standard the following change should be made:

- Wherever the words 'International Standard' appear, referring to this standard, they should be read as 'Mauritian Standard'.

MS 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*

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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

