

**BUREAU OF INDIAN STANDARDS  
DRAFT FOR COMMENTS ONLY**

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भारतीय मानक मसौदा  
बंद नाली में द्रव प्रवाह का मापन – पिटोट स्टेटिक ट्यूब का उपयोग  
करते हुए वेग क्षेत्र विधि  
(आई एस 14973 का दूसरा पुनरीक्षण)  
*Draft Indian Standard*

**Measurement of Fluid Flow in Closed Conduits — Velocity  
Area Method Using Pitot Static Tube**

***(Second Revision of IS 14973)***

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Hydrometry Sectional Committee WRD 01

Last Date for Comments: October 23, 2022

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**NATIONAL FOREWORD**

This Indian Standard (*first revision*) which is identical with ISO 3966 : 2008 'Measurement of fluid flow in closed conduits — Velocity area method using Pitot static tubes' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on recommendation of the Hydrometry Sectional Committee and approval of the Water Resources Division Council.

This standard was originally published in 2001 which was identical to ISO 3966 : 1997. The first revision of this standard has been undertaken to align it with the latest version of ISO 3966 : 2008.

The text of ISO Standard is being considered as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 2186 : 2007	Fluid flow in closed conduits — Connections for pressure signal transmissions between primary and secondary elements
ISO 7194 : 2008	Measurement of fluid flow in closed conduits — Velocity-area methods of flow measurement in swirling or asymmetric flow conditions in circular ducts by means of current-meters or Pitot static tubes

For better clarity, clause **4.2** may be read along with schematic diagram given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.