PROFORMA FOR ADOPTION OF DRAFT INDIAN STANDARD

BUREAU OF INDIAN STANDARDS

Subject: Approval of Draft Indian Standard

Sl. No.	Doc. No.	IS No.	TITLE
1	WRD/01/20347	IS 14973 : 2024 ISO 3966 : 2020	Measurement of Fluid Flow in Closed Conduits — Velocity Area Method Using Pitot Static Tube (*Second Revision*)
2	WRD/01/22080	IS 14615 (Part 2) : 2024 ISO 5167-2 : 2022	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross Section Conduits Running Full Part 2 Orifice Plates (*First Revision*)
3	WRD/01/22063	IS 14615 (Part 1) : 2024 ISO 5167-1 : 2022	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross Section Conduits Running Part 1 General Principles and Requirements (*Second Revision*)

In accordance with Part II, sub-rule (2) of rule 22 of BIS Rules 2018, I enclose a copy of the draft Indian Standard mentioned above finalized by the Sectional Committee WRD 01 and its Chairperson, in the light of comments received from important stake holders.

It is requested that this note and its enclosures may be returned to this office as early as possible recording your approval of the above draft Indian Standard.

Encl.: As above.

5/11/2024.

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Chairperson, Water Resources Division Council
BIS U.O. No. WRD 01/T-40, T-87 and T-37
Dated:

APPROVED

(Chairperson)
Water Resources Division Council

राकेश कुमार वर्मा/Rakesh Kumar Verma
अध्यक्ष/Chairman
केन्द्रीय जल आयोग/Central Water Commission
जल शक्ति मंत्रालय/Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
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नई दिल्ली/New Delhi

भारतीय मानक

Indian Standard

IS 14973 : 2024
ISO 3966 : 2020

बंद वाहिकाओं में द्रव प्रवाह मापन — पिटोट स्टेटिक ट्यूब द्वारा वेग क्षेत्र पद्धति

(दूसरा पुनरीक्षण)

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

(Second Revision)

ICS 17.120.10

भारतीय मानक ब्यूरो
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Hydrometry Sectional Committee WRD 01

NATIONAL FOREWORD

This Indian Standard (Second Revision) which is identical to ISO 3966 : 2020 '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 first published in 2001 which was identical to ISO 3966 : 1977. The first revision of this standard was undertaken in 2019 to align it with the then latest version of ISO 3966 : 2008. This revision has been brought out to align it with the latest version of ISO 3966 : 2020.

The text of ISO standard has been 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'; and

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 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:

International Standard	*Title*
ISO 2186	Fluid flow in closed conduits — Connections for pressure signal transmissions between primary and secondary elements
ISO 7194	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, **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.