***भारतीय मानक***

***Indian Standard***

**IS 15732 (Part 5) : 2024**

**ISO 8600-5 : 2020**

**प्रकाशिकी और फोटोनिक्स — मेडिकल एंडोस्कोप और एंडोथेरेपी उपकरण**

**भाग 5 डेटर्मिनेशन ऑफ़ ऑप्टिकल रेसोलुशन ऑफ़**

**रिजिड एंडोस्कोपस विथ ऑप्टिक्स**

**Optics and Photonics — Medical Endoscopes and Endotherapy Devices**

**Part 5 Determination of Optical Resolution of Rigid Endoscopes with Optics**

ICS 11.040.55

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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

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**NATIONAL FOREWORD**

This Indian standard (Part 5) is an identical adoption of ISO 8600-5: 2020 ‘Optics and photonics — Medical endoscopes and endotherapy devices — Part 5: Determination of optical resolution of rigid endoscopes with optics’, issued by the International Organization for Standardization, was adopted by Bureau of Indian Standards on the recommendation of Surgical Instruments Sectional Committee MHD 01 and approval of the Medical Equipment and Hospital Planning Division Council.

The text of ISO standard may be approved as suitable for publication as Indian Standard without deviations. Certain conventions are, however, not identical to those used in the Indian Standards. Attention is particularly drawn to the following:

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

In this standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their places, are listed below along with their degree of equivalence for the editions indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Indian Standard* | *Degree of Equivalence* |
| ISO 15529:2010, Optics and photonics — Optical transfer function — Principles of measurement of  modulation transfer function (MTF) of sampled imaging systems | IS/ISO 15529: 2010  Optics and photonics - Optical transfer function - Principles of measurement of modulation transfer function (MTF) of sampled imaging systems | Identical |

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:

|  |  |
| --- | --- |
| ***International Standard*** | ***Title*** |
| ISO 9334 | Optics and photonics — Optical transfer function — Definitions and mathematical relationships |
| ISO 12233:2017 | Photography — Electronic still picture imaging — Resolution and spatial frequency responses |

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 shall be rounded off in accordance with **IS 2: 2022** ‘Rules for rounding off numerical values (*Second Revision*)’.