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Interested committees:

Title: Draft BS ISO 18221 Microscopes - Microscopes with digital imaging displays -Information provided to the user regarding imaging performance.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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UK Vote

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Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/DIS 18221

Microscopes — Microscopes with digital imaging displays — Information provided to the user regarding imaging performance

*Microscopes — Microscopes avec écrans d'affichage numérique
— Informations fournies à l'utilisateur concernant la
performance d'affichage*

ICS: 37.020

ISO/TC 172/SC 5

Secretariat: **DIN**

Voting begins on:
2024-06-06

Voting terminates on:
2024-08-29

This document is circulated as received from the committee secretariat.

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	2
5 Magnification	3
5.1 Optical magnification, $M_{TOT PROJ}$	3
5.2 Display magnification, M_{DIS}	3
5.3 Visual display magnification, $M_{DIS VIS}$	3
6 Resolving power limit	4
6.1 Optical resolving power limit, RL_{OPT}	4
6.2 Sensor resolving power limit, RL_{SEN}	4
6.3 Display resolving power limit, RL_{DIS}	4
6.4 System resolving power limit, RL_{SYS}	5
7 Useful range of magnification	5
7.1 Useful range of viewing distance	5
7.2 Useful range of visual magnification	5
7.3 Empty magnification	6
8 Object field	6
8.1 Object field limited by the sensor	6
8.2 Object field limited by the display	7
8.3 Object field of the microscopy system	7
8.4 Pixel size in object space	8
9 Depth of field	8
10 Information to be provided to the user by manufacturers	9
10.1 General information	9
10.2 Imaging performance data	9
Annex A (informative) Examples for information to be provided to the user	10
Bibliography	14

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 (see www.iso.org/directives).

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The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 5, *Microscopes and endoscopes*.

This second edition cancels and replaces the first edition (ISO 18221:2016), which has been technically revised.

The main changes are as follows:

- Addition of formula expression to [8.1](#) and [8.2](#)
- Addition of subclause 8.4 Pixel size in object space
- Addition of content to 9
- Revision of formula for depth of field in [subclause 9](#)
- Addition of f) in 10.2
- Addition of content to [tables A.1](#) to [A.5](#)

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.