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Microscopes — Information provided to the user

Microscopes — Informations délivrées à l'utilisateur

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

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 12853:1997), which has been technically revised in order to:

— specify the Scope in more detail;

— add further examples to the field of application (see 3.1.2);

— update the design information (e.g. dimension of overall mechanical depth added and new Figure 1);

— add the optical system to the design information (see 3.2.1).

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Microscopes — Information provided to the user

1 Scope

This International Standard specifies the minimum required information to be provided to the user by the microscope manufacturer. This International Standard is not applicable to inverted microscopes, advanced technique microscopes, and digital display microscopes.

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 8578, *Microscopes — Marking of objectives and eyepieces*

3 Data provided by the manufacturer

3.1 General information

The mandatory data, indicated (m), shall be provided by the manufacturer when the respective microscope assemblies feature the properties described. Provision of further microscope data, indicated (r), is recommended but not required.

3.1.1 Details of origin

3.1.1.1 (m) Manufacturer

3.1.1.2 (r) Country of origin, if required

3.1.2 (r) Field of application

EXAMPLE Schools and courses, laboratories, research, industry.

3.1.3 (m) Imaging and illumination methods

EXAMPLE Transmitted light, reflected light, brightfield, darkfield, phase contrast, differential interference contrast, polarization, fluorescence.

3.1.4 (r) Accessories

EXAMPLE Photographic equipment, alternative light sources, manipulators, photometric equipment, image processing equipment, video equipment.

3.2 Design information

3.2.1 Optical system

3.2.1.1 (m) Type of optical system

EXAMPLE Finite, infinite.

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