

SLOVENSKI STANDARD SIST EN ISO 10942:2022

01-april-2022

Nadomešča:

SIST EN ISO 10942:2006

Oftalmični instrumenti - Direktni oftalmoskopi (ISO 10942:2022)

Ophthalmic instruments - Direct ophthalmoscopes (ISO 10942:2022)

Ophthalmische Instrumente - Direkte Ophthalmoskope (ISO 10942:2022)

Instruments ophtalmiques - Ophtalmoscopes directs (ISO 10942:2022)

Ta slovenski standard je istoveten z. ar EN ISO 10942:2022

<u> SIST EN ISO 10942:2022</u>

https://standards.iteh.ai/catalog/standards/sist/fb4803b1-c143-4dca-92bc-688ad2032a96/sist-en-iso-10942-2022

11.040.70 Oftalmološka oprema Ophthalmic equipment

SIST EN ISO 10942:2022 en,fr,de

SIST EN ISO 10942:2022

iTeh STANDARD **PREVIEW** (standards.iteh.ai)

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 10942

February 2022

ICS 11.040.70

Supersedes EN ISO 10942:2006

English Version

Ophthalmic instruments - Direct ophthalmoscopes (ISO 10942:2022)

Instruments ophtalmiques - Ophtalmoscopes directs (ISO 10942:2022)

Ophthalmische Instrumente - Direkte Ophthalmoskope (ISO 10942:2022)

This European Standard was approved by CEN on 16 January 2022.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

SIST EN ISO 10942:2022

https://standards.iteh.ai/catalog/standards/sist/fb4803b1-c143-4dca-92bc-688ad2032a96/sist-en-iso-10942-2022



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 10942:2022 (E)

Contents	Pag	e
Euronean foreword		3

iTeh STANDARD **PREVIEW** (standards.iteh.ai)

European foreword

This document (EN ISO 10942:2022) has been prepared by Technical Committee ISO/TC 172 "Optics and photonics" in collaboration with Technical Committee CEN/TC 170 "Ophthalmic optics" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2022, and conflicting national standards shall be withdrawn at the latest by August 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 10942:2006.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



The text of ISO 10942:2022 has been approved by CEN as EN ISO 10942:2022 without any modification. https://standards.iteh.ai/catalog/standards/sist/fb4803b1-c143-4dca-92bc-688ad2032a96/sist-en-iso-10942-2022

SIST EN ISO 10942:2022

iTeh STANDARD **PREVIEW** (standards.iteh.ai)

SIST EN ISO 10942:2022

INTERNATIONAL STANDARD

ISO 10942

Third edition 2022-01

Ophthalmic instruments — Direct ophthalmoscopes

Instruments ophtalmiques — Ophtalmoscopes directs

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10942:2022

https://standards.iteh.ai/catalog/standards/sist/fb4803b1-c143-4dca-92bc-688ad2032a96/sist-en-iso-10942-2022



Reference number ISO 10942:2022(E)

ISO 10942:2022(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10942:2022

https://standards.iteh.ai/catalog/standards/sist/fb4803b1-c143-4dca-92bc-688ad2032a96/sist-en-iso-10942-2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

ISO 10942:2022(E)

Cor	Contents	
Fore	word	iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification	2
5	Requirements 5.1 General 5.2 Optical requirements 5.3 Construction and function of the viewing system 5.4 Construction and function of the illumination system 5.5 Optical radiation hazard with direct ophthalmoscopes	
6	Test methods	4
	6.1 General	
7	Accompanying documents	
8	Marking	
Bibli	iography iTeh STANDARD	6
	PREVIEW	
	(standards.iteh.ai)	

ISO 10942:2022(E)

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 172, Optics and photonics, Subcommittee SC 7, Ophthalmic optics and instruments, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 170, Ophthalmic optics, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

https://standards.iteh.ai/catalog/standards/sist/fb4803b1-This third edition cancels and replaces the second edition (ISO 10942;2006)4 which has been technically revised.

The main changes compared to the previous edition are as follows:

- revision of the dated references;
- editorial update of the whole document.

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.