



**SLOVENSKI STANDARD
SIST EN ISO 14881:2021**

01-december-2021

**Nadomešča:
SIST EN ISO 14881:2005**

Integrirana optika - Vmesniki - Parametri, ustrežni za sklope lastnosti (ISO 14881:2021)

Integrated optics - Interfaces - Parameters relevant to coupling properties (ISO 14881:2021)

Integrierte Optik - Schnittstellen - Kopplungsrelevante Parameter (ISO 14881:2021)

Optique intégrée - Interfaces - Paramètres caractérisant les propriétés de couplage (ISO 14881:2021)

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ICS:

31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment
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EUROPEAN STANDARD

EN ISO 14881

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2021

ICS 31.260

Supersedes EN ISO 14881:2005

English Version

Integrated optics - Interfaces - Parameters relevant to coupling properties (ISO 14881:2021)

Optique intégrée - Interfaces - Paramètres caractérisant les propriétés de couplage (ISO 14881:2021)

Integrierte Optik - Schnittstellen - Kopplungsrelevante Parameter (ISO 14881:2021)

This European Standard was approved by CEN on 9 October 2021.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 14881:2021) has been prepared by Technical Committee ISO/TC 172 "Optics and photonics" in collaboration with Technical Committee CEN/TC 123 "Lasers and photonics" 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of an identical text or by endorsement, at the latest by April 2022, and conflicting national standards shall be withdrawn at the latest by April 2022.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 14881:2005.

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INTERNATIONAL
STANDARD

ISO
14881

Second edition
2021-10

**Integrated optics — Interfaces —
Parameters relevant to coupling
properties**

*Optique intégrée — Interfaces — Paramètres caractérisant les
propriétés de couplage*

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ISO 14881:2021(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).

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 172 *Optics and photonics*, Subcommittee SC 9, *Laser and electro optical systems*. In collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 123, *Lasers and photonics*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 14881:2001), which has been technically revised. The main changes compared to the previous edition are as follows:

- Terminologies that have not been frequently used over the last 5 to 10 years are revised to those matching to current trends.
- In the revision process, terminologies and definitions are compared to similar terminology definitions in IEC and harmonized.

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.

Introduction

The aim of this document is to clarify the terms of the field of “integrated optics” and to define a unified vocabulary. It is expected that this document will be revised periodically to adopt the requirements of customers and suppliers of integrated optical products. At a later stage, it is planned to add definitions from other International Standards which deal with integrated optics.

Some of the definitions are closely related to definitions given in IEC 60050-731. Wherever this can lead to misunderstanding, integrated optics or integrated optical waveguide should be used together with the defined term.

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