

DIN EN ISO 15004-2

ICS 11.040.70

Together with DIN EN ISO
15004-1:2006-09,
supersedes
DIN EN ISO 15004:1998-04

**Ophthalmic instruments –
Fundamental requirements and test methods –
Part 2: Light hazard protection (ISO 15004-2:2007)
English version of DIN EN ISO 15004-2:2007-06**

Ophthalmische Instrumente –
Grundlegende Anforderungen und Prüfverfahren –
Teil 2: Schutz gegen Gefährdung durch Licht (ISO 15004-2:2007)
Englische Fassung DIN EN ISO 15004-2:2007-06

Document comprises 44 pages



Start of validity

This standard is valid from 1 June 2007.

National foreword

This standard includes safety requirements.

This standard has been prepared by Technical Committee ISO/TC 172 “Optics and photonics”, Subcommittee SC 7 “Ophthalmic optics and instruments” (Secretariat: DIN, Germany), in collaboration with Technical Committee CEN/TC 170 “Ophthalmic optics”.

The responsible German body involved in its preparation was the *Normenausschuss Feinmechanik und Optik* (Optics and Precision Mechanics Standards Committee).

The DIN Standard corresponding to the International Standard referred to in clause 2 of the EN is as follows:

IEC 60825-1 DIN EN 60825-1

Amendments

This standard differs from DIN EN ISO 15004:1998-04 as follows:

- a) All reference to light hazard (definitions 3.4 to 3.9, subclauses 6.3 and 7.5, and Annexes A, C and D) has been moved to DIN EN ISO 15004-2 and has been technically revised.
- b) All other specifications previously contained in DIN EN ISO 15004 have been included in DIN EN ISO 15004-1. The requirements and tests for ignitability and the environmental requirements and tests have been amended.
- c) The revised EN ISO Standard has been adopted.

Previous editions

DIN EN ISO 15004: 1998-04

National Annex NA (informative)

Bibliography

- DIN EN 60825-1, *Safety of laser products — Part 1: Equipment classification, requirements and user's guide*
- E DIN EN 62471, *Photobiological safety of lamps and lamp systems*
- DIN EN ISO 8612, *Ophthalmic instruments — Tonometers*
- DIN EN ISO 9801, *Ophthalmic instruments — Trial case lenses*
- DIN EN ISO 10341, *Ophthalmic instruments — Refractor heads*
- DIN EN ISO 10342, *Ophthalmic instruments — Eye refractometers*
- DIN EN ISO 10343, *Ophthalmic instruments — Ophthalmometers*
- DIN EN ISO 10938, *Ophthalmic instruments — Chart projectors*
- DIN EN ISO 10939, *Ophthalmic instruments — Slit-lamp microscopes*
- DIN EN ISO 10940, *Ophthalmic instruments — Fundus cameras*
- DIN EN ISO 10942, *Ophthalmic instruments — Direct ophthalmoscopes*
- DIN EN ISO 10943, *Ophthalmic instruments — Indirect ophthalmoscopes*
- DIN EN ISO 10944, *Ophthalmic instruments — Synoptophores*
- DIN EN ISO 12865, *Ophthalmic instruments — Retinoscopes*
- DIN EN ISO 12866, *Ophthalmic instruments — Perimeters*
- DIN EN ISO 12867, *Ophthalmic instruments — Trial frames*
- DIN EN ISO 15004-1, *Ophthalmic instruments — Fundamental requirements and test methods — Part 1: General requirements applicable to all ophthalmic instruments*
- DIN EN ISO 15253, *Ophthalmic optics and instruments — Optical devices for enhancing low-vision*
- DIN EN ISO 15254, *Ophthalmic optics and instruments — Electro-optical devices for enhancing low vision*
- DIN EN ISO 19980, *Ophthalmic instruments — Corneal topographers*

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English Version

Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection (ISO 15004-2:2007)

Instruments ophtalmiques - Exigences fondamentales et méthodes d'essai - Partie 2: Protection contre les dangers de la lumière (ISO 15004-2:2007)

Ophthalmische Instrumente - Grundlegende Anforderungen und Prüfverfahren - Teil 2: Schutz gegen Gefährdung durch Licht (ISO 15004-2:2007)

This European Standard was approved by CEN on 10 February 2007.

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 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 Management Centre has the same status as the official versions.

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