

SLOVENSKI STANDARD SIST EN ISO 11990:2000

01-januar-2000

Optika in optični instrumenti – Laserji in laserska oprema – Ugotavljanje odpornosti sapničnih (endotrahealnih) tubusov proti laserskemu žarku

Optics and optical instruments - Lasers and laser-related equipment - Determination of laser resistance of tracheal tube shafts (ISO 11990:1999)

Optik und optische Instrumente - Laser und Laseranlagen - Bestimmung der Laserresistenz des Schafts von Trachealtuben (ISO 11990:1999)

Optique et instruments d'optique - Lasers et équipements associés aux lasers - Détermination de la résistance au laser des tubes trachéaux (ISO 11990:1999)

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Ta slovenski standard je istoveten z: EN ISO 11990-2000

ICS:

11.040.10 Anestezijska, respiratorna in reanimacijska oprema Anaesthetic, respiratory and reanimation equipment

31.260 Optoelektronika, laserska oprema Optoelectronics. Laser equipment

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 11990

July 1999

ICS 11.040.90; 31.260

English version

Optics and optical instruments - Lasers and laser-related equipment - Determination of laser resistance of tracheal tube shafts (ISO 11990:1999)

Optique et instruments d'optique - Lasers et équipements associés aux lasers - Détermination de la résistance au laser ddes tubes trachéaux (ISO 11990:1999)

Optik und optische Instrumente - Laser und Laseranlagen -Bestimmung der Laserresistenz des Schafts von Trachealtuben (ISO 11990:1999)

This European Standard was approved by CEN on 14 June 1999.

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 Central Secretariat on 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

The text of the International Standard ISO 11990:1999 has been prepared by Technical Committee ISO/TC 172 "Optics and optical instruments" in collaboration with Technical Committee CEN/TC 123 "Lasers and laser related equipment", 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 January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZB, which is an integral part of this standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STEndorsement notice EVIEW

The text of the International Standard ISO 11990:1999 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative). https://standards.iteh.ai/catalog/standards/sist/ccc79390-5b41-4fba-86c2-d9c0e50616e1/sist-en-iso-11990-2000

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Annex ZA (normative)
Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN	<u>Year</u>
ISO 11146	1999	Laser and laser-related equipment - Test methods for laser beam parameters - Beam widths, divergence angle and beam	EN ISO 11146	1999

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INTERNATIONAL STANDARD

ISO 11990

> First edition 1999-07-15

Optics and optical instruments — Lasers and laser-related equipment — Determination of laser resistance of tracheal tube shafts

Optique et instruments d'optique — Lasers et équipements associés aux lasers — Détermination de la résistance au laser des tubes trachéaux

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ISO 11990:1999(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11990 was prepared by ISO/TC 172, *Optics and Optical Instruments*, Subcommittee SC 9, *Electrooptical systems*.

This International Standard is based on ASTM F29.01.10.

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