

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

The European Standard EN ISO 11990:2003 has the status of a
British Standard

ICS 31.260

National foreword

This British Standard is the official English language version of EN ISO 11990:2003. It is identical with ISO 11990:2003. It supersedes BS EN ISO 11990:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CPW/172, Optics and optical instruments, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, pages ii to vi, pages 1 to 10, the Annex ZA page, the Annex ZB page, an inside back cover and a back cover.

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English version

Optics and optical instruments - Lasers and laser-related
equipment - Determination of laser resistance of tracheal tube
shafts (ISO 11990:2003)

Optique et instruments d'optique - Lasers et équipements
associés aux lasers - Détermination de la résistance au
laser des tubes trachéaux (ISO 11990:2003)

Optik und optische Instrumente - Laser und Laseranlagen -
Bestimmung der Laserresistenz des Schafts von
Trachealtuben (ISO 11990:2003)

This European Standard was approved by CEN on 21 February 2003.

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Foreword

This document (EN ISO 11990:2003) 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of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

This document supersedes EN ISO 11990:1999.

This document 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 document.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 11990:2003 has been approved by CEN as EN ISO 11990:2003 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

INTERNATIONAL STANDARD

ISO
11990

Second edition
2003-04-01

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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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 2.

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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.

ISO 11990 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 9, *Electro-optical systems*.

This second edition cancels and replaces the first edition (ISO 11990:1999), Clause 12 of which has been technically revised.