



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 11990-2:2009**  
**01-marec-2009**

---

@UgYf 1]b`UgYfg\_UcdfYa U!i [ cHj`Ub^YcXdcfbcgh]gUdb] b] fMbXcfU YUb] L  
hi Vi gcj`dfch`UgYfg\_Ya i`yUf\_i`!&^rXY.GUdb] b] fMbXcfU YUb]Lhi Vi g]fIGC#B-G  
%%-\$!&&\$\$, L

Lasers and laser-related equipment - Determination of laser resistance of tracheal tubes  
- Part 2: Tracheal tube cuffs (ISO/DIS 11990-2:2008)

Laser und Laseranlagen - Bestimmung der Laserresistenz von Trachealtuben - Teil 2:  
Trachealtubusmanschetten (ISO/DIS 11990-2:2008)

Lasers et équipements associés aux lasers - Détermination de la résistance au laser des  
tubes trachéaux - Partie 2: Ballonnet de tubes trachéaux (ISO/DIS 11990-2:2008)

**Ta slovenski standard je istoveten z: prEN ISO 11990-2**

---

**ICS:**

11.040.10	Anestezijska, respiratorna in reanimacijska oprema	Anaesthetic, respiratory and reanimation equipment
31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment

**oSIST prEN ISO 11990-2:2009 en**



October 2008

---

ICS 11.040.10; 31.260

English Version

**Lasers and laser-related equipment - Determination of laser  
resistance of tracheal tubes - Part 2: Tracheal tube cuffs  
(ISO/DIS 11990-2:2008)**

Lasers et équipements associés aux lasers - Détermination  
de la résistance au laser des tubes trachéaux - Partie 2:  
Ballonnet de tubes trachéaux (ISO/DIS 11990-2:2008)

Laser und Laseranlagen - Bestimmung der Laserresistenz  
von Trachealtuben - Teil 2: Trachealtubumanschetten  
(ISO/DIS 11990-2:2008)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 123.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

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

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

**Contents**

Page

Foreword.....**3**

## **Foreword**

This document (prEN ISO 11990-2:2008) has been prepared by Technical Committee ISO/TC 172 "Optics and optical instruments" in collaboration with Technical Committee CEN/TC 123 "Lasers and photonics" the secretariat of which is held by DIN.

This document is currently submitted to the parallel Enquiry.

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 EC Directive(s).

### **Endorsement notice**

The text of ISO/DIS 11990-2:2008 has been approved by CEN as a prEN ISO 11990-2:2008 without any modification.





## DRAFT INTERNATIONAL STANDARD ISO/DIS 11990-2

ISO/TC 172/SC 9

Secretariat: DIN

Voting begins on:  
2008-10-02

Voting terminates on:  
2009-03-02

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Lasers and laser-related equipment — Determination of laser resistance of tracheal tubes —

## Part 2: Tracheal tube cuffs

*Lasers et équipements associés aux lasers — Détermination de la résistance au laser des tubes trachéaux —  
Partie 2: Ballonnet de tubes trachéaux*

ICS 11.040.10; 31.260

### ISO/CEN PARALLEL ENQUIRY

The CEN Secretary-General has advised the ISO Secretary-General that this ISO/DIS covers a subject of interest to European standardization. **In accordance with the ISO-lead mode of collaboration as defined in the Vienna Agreement, consultation on this ISO/DIS has the same effect for CEN members as would a CEN enquiry on a draft European Standard.** Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

**To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.**

**Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.**

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

**Copyright notice**

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.