

This is a preview of "ISO 11252:2013". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2013-08-01

Lasers and laser-related equipment — Laser device — Minimum requirements for documentation

*Lasers et équipements associés aux lasers — Source laser —
Exigences minimales pour la documentation*



Reference number
ISO 11252:2013(E)

© ISO 2013

This is a preview of "ISO 11252:2013". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from 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
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 11252:2013". [Click here to purchase the full version from the ANSI store.](#)

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Units	2
5 Technical data sheet	2
5.1 General	2
5.2 Beam output characteristics	2
5.3 Electrical and non-electrical power supply	3
5.4 Liquids and gases	4
5.5 Environmental conditions	4
5.6 Mechanical parts and interfaces	4
5.7 Safety	4
6 Information for the user	5
7 Marking and labelling	6
Annex A (informative) Model of technical data sheet	7
Bibliography	12

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.

The main task of technical committees is to prepare International Standards. 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.

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 11252 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 9, *Electro-optical systems*.

This third edition cancels and replaces the second edition (ISO 11252:2004), which has been technically revised.

This is a preview of "ISO 11252:2013". [Click here to purchase the full version from the ANSI store.](#)

Introduction

This document is a type B1 standard as stated in ISO 12100.

The provisions of this document may be supplemented or modified by a type C standard.

NOTE For machines which are covered by the scope of a type C standard and which have been designed and built according to the provisions of that standard, the provisions of that type C standard take precedence over the provisions of this type B1 standard.

ISO 11252 covers both laser systems and laser products according to IEC 60825-1, and laser devices, units or laser processing machines according to ISO 11145, ISO 11553-1 and ISO 11553-2. Although within these standards different terminology, terms and definitions are used, ISO 11252 brings together basic requirements for documentation.