

Optics and optical instruments — Lasers and laser-related equipment — Test methods for laser beam power (energy) density distribution

ICS 31.260

National foreword

This British Standard is the UK implementation of EN ISO 13694:2000, incorporating corrigendum October 2007. It is identical with ISO 13694:2000, incorporating corrigendum November 2005.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by ISO corrigendum November 2005 is indicated in the text by AC1 AC1.

The UK participation in its preparation was entrusted to Technical Committee CPW/172, Optics and optical instruments.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Committee and comes into effect on 15 April 2001

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ISBN 978 0 580 60784 4

Amendments/corrigenda issued since publication

Date	Comments
29 February 2008	Implementation of ISO corrigendum November 2005 with CEN endorsement corrigendum October 2007. Also, separately, change of BS EN ISO publication date from 2001 to 2000

English version

**Optics and optical instruments - Lasers and laser-related
equipment - Test methods for laser beam power (energy)
density distribution (ISO 13694:2000)**

Optique et instruments d'optique - Lasers et équipements
associés aux lasers - Méthodes d'essai de distribution de
puissance (d'énergie) du faisceau laser (ISO 13694:2000)

Optik und optische Instrumente - Laser und Laseranlagen -
Prüfverfahren für die Leistungs-(Energie-)dichteverteilung
von Laserstrahlen (ISO 13694:2000)

This European Standard was approved by CEN on 1 April 2000.

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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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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of the International Standard ISO 13694:2000 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 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.

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.

NOTE FROM CEN/CS: The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the International Standard ISO 13694:2000 was approved by CEN as a European Standard without any modification.

INTERNATIONAL STANDARD

**ISO
13694**

First edition
2000-04-01

Optics and optical instruments — Lasers and laser-related equipment — Test methods for laser beam power [energy] density distribution

*Optique et instruments d'optique — Lasers et équipements associés aux
lasers — Méthodes d'essai de distribution de la densité de puissance
[d'énergie] du faisceau laser*



Reference number
ISO 13694:2000(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.

In addition to the information on the fact that compliance with this document may involve the use of patents and a correction of the drawing of Figure 1, all statements and references regarding the definition or determination of the “goodness of fit” have been deleted from the document in order to eliminate incorrect details and to remove points of possible confusion.

International Standard ISO 13694 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 9, *Electro-optical systems*.