

**Lasers and laser-related equipment - Test methods for
laser beam parameters: Polarization**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN ISO 12005:2000 sisaldab Euroopa standardi EN ISO 12005:1999 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 12005:2000 consists of the English text of the European standard EN ISO 12005:1999.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.07.1999.	Date of Availability of the European standard is 15.07.1999.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English version

**Lasers and laser-related equipment - Test methods for laser
beam parameters - Polarization (ISO 12005:1999)**

Lasers et équipements associés aux lasers - Méthodes
d'essai des paramètres des faisceaux laser - Polarisation
(ISO 12005:1999)

Laser und Laseranlagen - Prüfverfahren für
Laserstrahlparameter - Polarisation (ISO 12005:1999)

This European Standard was approved by CEN on 25 June 1999.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

The text of the International Standard ISO 12005:1999 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of an identical text or by endorsement, at the latest by January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

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.

Endorsement notice

The text of the International Standard ISO 12005:1999 was approved by CEN as a European Standard without any modification.

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

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>	<u>EN</u>	<u>Year</u>
ISO 11145	1994	Optics and optical instruments - Lasers and laser related equipment - Vocabulary and symbols	EN ISO 11145	1994

Introduction

This International Standard defines a relatively quick and simple method, requiring minimum equipment, for determining the state of polarization of a laser beam.

This method is suitable for most of the current needs with well-polarized laser beams. However, if more completeness in the determination of the polarization status is needed, the use of a more sophisticated analysing device is necessary. Although not in the scope of this International Standard, the principle of operation of such devices is given in annex A, together with a description of the Stokes parameters which are needed in that case.