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

*Lasers et équipements associés aux lasers — Méthodes d'essai des
paramètres du faisceau laser — Polarisation*



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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test method for state of polarization	3
4.1 Principle of measurement	3
4.2 Equipment arrangement	3
4.3 Components	4
4.4 Test procedure	5
4.5 Analysis of the results	6
5 Test report	7
Annex A (informative) Complete description of the polarization status of a monochromatic laser beam	9
Bibliography	11

Foreword

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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 12005 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 12005:1999), which has been technically revised.

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Introduction

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

This method is for well-polarized laser beams, including those emitted by lasers with a high divergence angle. However, if more completeness in the determination of the polarization status is required, the use of a more sophisticated analysing device is necessary. Although not within 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.

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