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Optics and optical instruments — Measurement of reflectance of plane surfaces and transmittance of plane parallel elements

*Optique et instruments d'optique — Méthode de mesurage de la réflectance
des surfaces planes et de la transmittance des éléments à plan parallèle*



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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Symbols and units	2
5 Test specimen	2
6 Measuring apparatus	3
7 Test conditions	4
8 Test procedure	5
9 Main error factors	7
10 Test report	9

Annexes

A Spectrophotometers.....	10
A.1 General	10
A.2 Dispersion type spectrophotometer	10
A.3 Fourier-transform type spectrometer	11
B Refractive index of synthetic fused silica	12
Bibliography.....	13

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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.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15368 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 1, *Fundamental standards*.

Annexes A and B of this International Standard are for information only.

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Introduction

Measurements of reflectance and transmittance using spectrophotometers are the most fundamental methods for the characterization of optical components. Since the spectrophotometric methods are basic and normal, they are extensively used and further give measurement data for a wide range of wavelengths.

This International Standard describes the measurement of reflectance and transmittance using spectrophotometers which provides data with high reproducibility and repeatability.