

Optics and optical instruments —

Measurement of reflectance of plane surfaces and transmittance of plane parallel elements

ICS 17.180.01; 37.020

National foreword

This British Standard reproduces verbatim ISO 15368:2001 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee CPW/172, Optics and optical instruments, which has the responsibility to:

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This British Standard, having been prepared under the direction of the Consumer Products and Services Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee and comes into effect on 26 September 2001

Summary of pages

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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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Foreword

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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.

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.