

Implementation of
ISO 9336-3:1994

Optics and optical instruments — Optical transfer function — Application —

Part 3: Telescopes

ICS 37.020.00

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CPM/17, Fundamental aspects of optical standards, upon which the following bodies were represented:

- British College of Optometrists
- Department of Trade and Industry (National Physical Laboratory)
- Engineering Equipment and Materials Users' Association
- Flat Glass Manufacturers' Association
- Ministry of Defence
- Sira Limited
- Society of British Aerospace Companies Limited
- United Kingdom Laser and Electro-optic Association

This British Standard, having been prepared under the direction of the Consumer Products and Services Sector Board (W/-), was published under the authority of the Standards Board and comes into effect on 15 February 1995

© BSI 12-1999

The following BSI references relate to the work on this standard:
Committee reference CPM/17
Draft for comment 91/45536 DC

ISBN 0 580 23804 0

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	iii
Text of ISO 9336-3	1

National foreword

This British Standard reproduces verbatim ISO 9336-3:1994 and implements it as the UK national standard.

This British Standard is published under the direction of the Consumer Products and Services Sector Board whose Technical Committee CPM/17 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

INTERNATIONAL STANDARD

ISO
9336-3

First edition
1994-10-15

Optics and optical instruments — Optical transfer function — Application —

Part 3: Telescopes

*Optique et instruments d'optique — Fonction de transfert optique —
Application —*

Partie 3: Télescopes



Reference number
ISO 9336-3:1994(E)

Contents

	Page
Foreword	iii
1 Scope	1
2 Normative references	1
3 Definitions	1
4 General description of test specimen types and the relevance of OTF tests	1
5 Test setup	2
6 Normalization of OTF values	4
7 Test condition	4
8 Specification of the imaging state	4
9 Presentation	4
10 Accuracy of equipment	4
11 Quality assurance tests	4
Annex A (informative) Test on components and subassemblies using azimuth scanning systems	8
Annex B (informative) Bibliography	Inside back cover
Figure 1 — Schematic setup: object at infinity, image nominally at infinity	3
Figure 2 — Schematic arrangement of an azimuth scanning MTF test system	7
Figure A.1 — Schematic arrangement for testing retroreflectors and Porro prisms	8
Table 1	5
Table 2	5
Table 3	6
Table 4	6

Descriptors: Optics, optical equipment, telescopes, lenses, image quality indicators, tests, optical tests, optical measurements, resolving power determination.