

Method for

Determining the resolution obtained in microcopying

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Information and Documentation Standards Policy Committee (DOT/-) to Technical Committee DOT/16, upon which the following bodies were represented:

- British Coal Corporation
- British Computer Society
- British Office Technology Manufacturers' Alliance
- British Photographic Association
- Drawing Office Material Manufacturers' and Dealers' Association
- EEA (the Electronics and Business Equipment Association)
- Her Majesty's Stationery Office
- London Borough of Bromley
- Ministry of Defence
- National Association of Microfilm Bureaux
- National Centre for Information Media and Technology (Cimtech)
- Society of British Aerospace Companies
- Standing Conference of National and University Libraries
- United Kingdom Association for Information and Image Management

The following bodies were also represented in the drafting of the standard, through sub-committees and panels:

- British Library Humanities and Social Sciences
- Public Record Office

This British Standard, having been prepared under the direction of the Information and Documentation Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 27 July 1990

© BSI 03-1999

First published December 1970
Second edition July 1990

The following BSI references relate to the work on this standard:
Committee reference DOT/16
Draft for comment 87/68469 DC

ISBN 0 580 18692 X

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Description of the test chart	1
5 Procedure for using the test chart	3
6 Procedure for reading images of test charts	3
Annex A Defects	5
Figure 1 — Resolution test pattern	2
Figure 2 — Arrangement of test patterns in ISO resolution test chart No. 2 (actual size)	3
Figure 3 — Reproduction of photomicrograph of test patterns on a typical microform	4
Figure A.1 — Example of defects	5
Table 1 — Dimensions and tolerances of the test patterns	3
Publications referred to	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Information and Documentation Standards Policy Committee. It is identical with ISO 3334:1989 “*Micrographics — ISO resolution test chart No. 2 — Description and use*”. It supersedes BS 4657:1970, which is withdrawn.

This edition of BS 4657 differs from the previous edition in giving more emphasis to the quality of the test chart. The standard now includes requirements for quality of paper and methods of measuring the width of lines and spaces in the test chart. There are also small changes in the specified ranges for temperature, relative humidity and magnification.

NOTE The test chart is available from BSI Sales, Linford Wood, Milton Keynes, MK14 6LE.

Cross-references

International standard	Corresponding British Standard
ISO 3:1973	BS 2045:1965 Preferred numbers (Technically equivalent) BS 1384 Photographic density measurements
ISO 5-2:1985	Part 2:1986 Specification for geometric conditions for transmission density (Identical)
ISO 5-3:1984	Part 3:1985 Specification for spectral conditions (Identical)
ISO 5-4:1983	Part 4:1985 Specification for geometric conditions for reflection density (Identical)
ISO 2471:1977	BS 4432 Methods for determining optical properties of pulp, paper and board Part 3:1980 Determination of opacity (paper backing) of paper and board by the diffuse reflectance method (Identical) BS 6054 Glossary of terms for micrographics
ISO 6196-1:1980	Part 1:1981 General terms (Identical)
ISO 6196-3:1983	Part 3:1984 Film processing (Identical)
ISO 6196-4:1987	Part 4:1987 Materials and packaging (Identical)
ISO 6196-5:1987	Part 5:1988 Quality of images legibility, inspection (Identical)

The Technical Committee has reviewed the provisions of ISO 6196-2 and has decided that it is acceptable for use in conjunction with this standard. A British Standard related to ISO 6196-2 is BS 6054 “*Glossary of terms for micrographics*”: Part 2:1983 “*Image positions and methods of recording*”. When ISO 6196-6, which is in course of preparation, is published it is expected that an identical British Standard will be published.

Textual error. When adopting the text of the international standard, the textual error given below was discovered. It has been reported to the International Organization for Standardization in a proposal to amend the international standard.

In clause 2, “ISO 5-1:1984 *Photography — Density measurements — Part 1: Terms, symbols and notations*” should read “ISO 5-2:1985, *Photography — Density measurements — Part 2: Geometric conditions for transmission density*”.

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 to iv, pages 1 to 6, an inside back cover and 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.