

High fidelity audio equipment and systems; minimum performance requirements —

Part 4: Specification for magnetic recording and reproducing equipment

UDC [621.396 + 681.84] – 187.4:681.846.7

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The Electronic Equipment Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

- British Broadcasting Corporation*
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Radio Equipment Manufacturers' Association*
- Cable and Wireless Limited
- Cable Television Association of Great Britain
- Electrical, Electronic, Telecommunications and Plumbing Union
- Electricity Supply Industry in England and Wales
- Electronic Components Industry Federation*
- Electronic Engineering Association
- Institution of Electronic and Radio Engineers*
- Post Office*
- Post Office Engineering Union
- Scientific Instrument Manufacturers' Association*

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

- Association of Professional Recording Studios Limited
- Association of Sound and Communications Engineers Limited
- Audio Engineering Society
- British Kinematograph, Sound and Television Society
- European Tape Industry Association
- Federation of British Audio
- Independent Television Companies' Association
- Radio Electrical and Television Retailers' Association
- Royal Institute of British Architects
- Royal National Institute for the Deaf
- Telecommunication Engineering and Manufacturing Association (TEMA)

This British Standard, having been prepared under the direction of the Electronic Equipment Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 December 1980

© BSI 12-1999

The following BSI references relate to the work on this standard:
Committee reference EEL/24
Draft for comment 80/25301 DC

ISBN 0 580 11746 4

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
1 Scope	1
2 Object	1
3 Measuring conditions	1
Section 1. Minimum requirements for characteristics directly related to the reproducing quality	
4 Mean deviation from rated speed	2
5 Weighted wow and flutter	2
6 Overall-unweighted signal-to-noise ratio	2
7 Overall-weighted signal-to-noise ratio	3
8 Reproduce channel unbalance	3
9 Separation between neighbouring non-related tracks	3
10 Separation between neighbouring related tracks (stereo)	4
11 Reproduce effective frequency range	4
12 Overall effective frequency range	4
13 Signal-to-erased signal ratio	5
Section 2. Other characteristics and requirements	
14 Rated recording level	5
15 Maximum start time to record/reproduce speed	5
16 Interconnection	5
17 Characteristics to be specified	5
Publications referred to	Inside back cover

National foreword

This British Standard, published under the direction of the Electronic Equipment Standards Committee, is identical with IEC Publication 581-4 “*High fidelity audio equipment and systems; Minimum performance requirements — Part 4: Magnetic recording and reproducing equipment*” published in 1979 by the International Electrotechnical Commission (IEC).

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards.

Cross-references

International Standard	Corresponding British Standard
IEC 179:1973	BS 4197:1967 <i>A precision sound level meter</i> (Technically equivalent) BS 5428 <i>Methods for specifying and measuring the characteristics of sound system equipment</i>
IEC 268-1:1968	Part 1:1977 <i>General</i> (Technically equivalent)
IEC 268-15:1978	Part 10:1979 <i>Preferred matching values for the interconnection of sound system components</i> (Identical)
IEC 386:1972	BS 4847:1972 <i>Method of measurement of speed fluctuation in sound recording and reproducing equipment</i> (Technically equivalent)
IEC 581-1:1978	BS 5942 <i>High fidelity audio equipment and systems; minimum performance requirements</i> Part 1:1980 <i>Specification for general requirements</i> (Identical)

The technical committee has reviewed the provisions of IEC 94-2, IEC 94-3 and IEC 268-14A and has decided that they are acceptable for use in conjunction with this standard.

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, pages 1 to 6, 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.