

Method for

Expression of the properties of cathode-ray oscilloscopes —

Part 2: Storage oscilloscopes

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Cooperating organizations

The Electronic Equipment Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government department and professional and industrial organizations:

- 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 Plumbing Union
- Electricity Supply Industry in England and Wales*
- Electronic Components Industry Federation
- Electronic Engineering Association*
- Institution of Electronic and Radio Engineers*
- Ministry of Defence*
- 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 committee entrusted with the preparation of this British Standard:

- British Industrial Measuring and Control Apparatus Manufacturers' Association
- Department of Industry (British Calibration Service)
- Department of Industry (National Physical Laboratory)
- Technical expert

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National foreword

This Part of BS 4739:1979, published under the direction of the Electronic Equipment Standards Committee, is identical with IEC Publication 351-2 “*Expression of the properties of cathode-ray oscilloscopes. Part 2: Storage oscilloscopes*” published in 1976 by the International Electrotechnical Commission (IEC).

This Part of BS 4739:1979, together with Part 1, is a revision of BS 4739:1971 “*Specification for the interpretation of the data relating to cathode ray oscilloscopes*”, which is to be withdrawn.

Part 1 of this standard is identical with IEC Publication 351-1:1976 “*Expression of the properties of cathode ray oscilloscopes. Part 1: General*”.

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.

Scope. Clause 1 (General) of the International Standard is not presented in the way which is customary for the scope of a British Standard. Clause 1 should be read as the following, which makes no change in the technical meaning and is essentially a re-arrangement of the existing text.

This Part of BS 4739, which should be read in conjunction with Part 1, gives rules for the standardization of methods of expression of the properties of cathode-ray storage oscilloscopes and defines special terminology and catalogue data related to such apparatus. The conditions and methods for testing cathode-ray storage oscilloscopes are specified so that compliance with properties claimed or specified by the manufacturer of the apparatus may be verified.

This standard is applicable to storage oscilloscopes with special devices incorporated in the cathode-ray tube permitting the recording of a signal by means other than using the ability of the screen coating to ensure persistence of the supply of information.

This standard does not apply to oscilloscopes with a normal tube and storage devices external to the tube. However, some clauses of the standard may be applied by special agreement between manufacturer and user.

This standard does not apply to oscilloscopes which have a cathode-ray tube having a screen with long persistence which temporarily retains the display. Certain types of storage oscilloscopes complying with the requirements of this standard are also capable of operation without storage. When so operated, the requirements of Part 1 of this standard apply. For the purposes of this Part of this standard, it is assumed that the oscilloscope is operated, unless otherwise stated, as a storage oscilloscope.

Cross-references

International Standard ^a	Corresponding British Standard
IEC 351-1:1976	BS 4739 <i>Method for expression of the properties of cathode-ray oscilloscopes</i> Part 1:1979 <i>General</i> (Identical)

^a Undated in the text.

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.

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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.