

**Harmonized system of quality
assessment for electronic components**

Generic specification: Image converter and image intensifier tubes

The European Standard EN 112000:1991 has the status of a
British Standard

ICS 31.100; 31.120

Committees responsible for this British Standard

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

- British Electrical and Allied Manufacturers' Association (BEAMA)
- Electricity Supply Industry in England and Wales
- Electronic Components Industry Federation*
- Electronic Engineering Association
- Institution of Electronic and Radio Engineers*
- Ministry of Defence*
- National Supervising Inspectorate*
- Post Office
- Society of British Aerospace Companies Limited
- Telecommunication Engineering and Manufacturing Association (TEMA)

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:

- Scientific Instrument Manufacturers' Association
- Services Electronic Parts Committee
- United Kingdom Atomic Energy Authority

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

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Amendments issued since publication

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6008	July 1992	
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National foreword

This British Standard has been prepared by Technical Committee EPL/39, and is the English language version of EN 112000:1992 *Harmonized system of quality assessment for electronic components — Generic specification: Image converter and image intensifier tubes*, including amendments 1:1988, 2:1992 and addendum, published by the European Committee for Electrotechnical Standardization (CENELEC) Electronic Components Committee (CECC).

This standard gives the terminology, quality assessment procedures and test and measurement conditions applicable to the entire family of image converter and image intensifier tubes.

Any sectional and blank detail specification dealing with a particular sub-family of image converter and image intensifier tubes required to be used in conjunction with this standard will include those tests that are considered appropriate to the sub-family and will also give more detailed information relative to the sub-family.

This standard is a harmonized specification within the CECC system.

Terminology and conventions. The text of the CECC specification has been accepted as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are used, however, that are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Cross-references

International Standard	Corresponding British Standard
ISO 1000:1973	PD 5686:1972 <i>The use of SI units</i> (Technically equivalent)
IEC 68	BS 2011 <i>Basic environmental testing procedures</i> (The relevant Parts are all identical)
IEC 117	BS 3939 <i>Graphical symbols for electrical power, telecommunications and electronic diagrams</i> (Technically equivalent)
IEC 410:1973	BS 6001:1972 <i>Sampling plans and procedures for inspection by attributes</i> (Identical)
CECC 00100:1974	BS E9000:1977 <i>Specification for general requirements for electronic components of assessed quality harmonized with the CENELEC Electronic Components Committee System</i> Part 1:1977 <i>Basic rules</i> (Technically equivalent)
CECC 00006:1973	BS E9006:1976 <i>Harmonized system of quality assessment for electronic components.</i> <i>Basic specification. Environmental test procedures</i> (Identical)
CECC 00007:1973	BS E9007:1975 <i>Harmonized system of quality assessment for electronic components.</i> <i>Basic specification: sampling plans and procedures for inspection by attributes</i> (Identical)

The related British Standards for IEC 27-1:1971 and IEC 50 are BS 1991-6:1975 and BS 4727 respectively. The technical committee has reviewed the provisions of these IEC standards and has decided that they are acceptable for use in conjunction with this standard.

The following CENELEC documents are referred to:

CECC 00107:1977, Rule of Procedure 7: Quality assessment procedures

CECC 00109:1974, Rule of Procedure 9: Certified test records.

The text of these two documents is included in BS E9000-2: Rules of procedure.

NOTE *Textual errors.* In 2.3.1 7) and elsewhere, the symbols for quantities, e.g. C, W, B, are printed in upright instead of sloping type.

Clause 3.2. In line 2, after “instead of from”, the words “each lot” should be inserted.

Clause 4.9.3. In the last line, “the procedures of 15 to” should be read as “the procedures of 15 of”.

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, the EN title page, pages 2 to 18, 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.

Generic Specification: Image Converter and Image Intensifier Tubes

Spécification Générique:
Tubes convertisseurs d'image et tubes
intensificateurs d'image

Fachgrundspezifikation:
Bildwandler- und Bildverstärkerröhren

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 20 November 1991. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the General Secretariat of the CECC or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Preface

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the system who wish to issue national harmonized specifications for **Image Converter and Image Intensifier Tubes**. It should be read in conjunction with the current regulations for the CECC System.

Foreword

This specification was prepared by CECC WG 11 “Electro-optical devices”. It was based, wherever possible on the Publications of the International Electrotechnical Commission (IEC).

The CECC voting procedure for the conversion of publication CECC 12000 Issue 1:1980 to EN has resulted in a positive vote.

The voting report [document CECC (Secretariat) 2888/8.91] has been submitted for formal approval and has been accepted. The following reference documents were approved by CECC as EN 112000:1992 on 20 November 1991:

CECC 12000 Issue 1:1980 with Amdts 1, 2 and Addendum.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1992-12-08
- latest date of publication of an identical national standard (dop) 1993-06-08
- latest date of withdrawal of conflicting national standards (dow) 1993-06-08

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