

Characteristics of electro-optical X-ray imaging intensifiers for medical electrical equipment —

Part 7: Determination of the modulation transfer function

The European Standard EN 61262-7:1995 has the status of a
British Standard

ICS 11.040.50

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CH/72, X-ray image forming components, upon which the following bodies were represented:

Association of X-ray Equipment Manufacturers (BEAMA Ltd.)
College of Radiographers

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National foreword

This British Standard has been prepared by Technical Committee CH/72 and is the English language version of EN 61262-7:1995 *Medical electrical equipment — Characteristics of electro-optical X-ray image intensifiers — Part 7: Determination of the modulation transfer function* published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 1262-7:1995 published by the International Electrotechnical Commission (IEC).

Cross-references

Publication referred to	Corresponding British Standard
EN 60336:1995 (IEC 336:1993)	BS EN 60336:1995 <i>X-ray tube assemblies for medical diagnosis. Characteristics of focal spots</i>
HD 501 S1:1988 (IEC 788:1984)	BS 6641:1985 <i>Glossary of medical radiology terms</i>
EN 61262-4:1994 (IEC 1262-4:1994)	BS EN 61262 <i>Characteristics of electro-optical X-ray image intensifiers for medical electrical equipment</i> Part 4:1995 <i>Determination of the image distortion</i>

Additional information. The following print types are used in this standard.

Requirements, with which compliance can be tested, and definitions:

in roman type.

Explanations, advice, general statements, exceptions and references:

in smaller type.

Test procedures:

in *italic* type.

Terms defined in clause 3 of this standard and in Annex A:

in SMALL CAPITALS.

For the purposes of this British Standard, any references to IEC page numbers in the text should be ignored.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, 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.

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Descriptors: Medical electrical equipment, radiology apparatus, X-ray apparatus, image intensifiers, transfer functions, modulation

English version

Medical electrical equipment —
Characteristics of electro-optical X-ray image intensifiers
Part 7: Determination of the modulation transfer function

(IEC 1262-7:1995)

Appareils électromédicaux — Caractéristiques
des intensificateurs électro-optiques d'image
radiologique
Partie 7: Détermination de la fonction de
transfert de modulation
(CEI 1262-7:1995)

Medizinische elektrische Geräte — Merkmale
von elektronenoptischen
Röntgenbildverstärkern
Teil 7: Bestimmung der
Modulationsübertragungsfunktion
(IEC 1262-7:1995)

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CENELEC

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

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Foreword

The text of document 62B/250/DIS, future edition 1 of IEC 1262-7, prepared by SC 62B, Diagnostic imaging equipment, of IEC TC 62, Electrical equipment in medical practice, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61262-7 on 1995-09-20.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-07-01

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. In this standard, Annex ZA is normative and Annex A, Annex B, Annex C and Annex D are informative. Annex ZA has been added by CENELEC.

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