



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61744:2006

ICS 33.180.01

**CALIBRATION OF FIBRE OPTIC
CHROMATIC DISPERSION TEST SETS**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
February 15, 2006*

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 61744

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 33.180.01

Supersedes EN 61744:2001

English version

**Calibration of fibre optic chromatic dispersion test sets
(IEC 61744:2005)**

Etalonnage des ensembles d'essai
de la dispersion chromatique
des fibres optiques
(CEI 61744:2005)

Kalibrierung von Prüfaufbauten
zur Bestimmung der chromatischen
Dispersion
(IEC 61744:2005)

This European Standard was approved by CENELEC on 2005-09-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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 86/236/FDIS, future edition 2 of IEC 61744, prepared by IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61744 on 2005-09-01.

This European Standard supersedes EN 61744:2001.

The principal change is the addition of reference to wavelength in vacuum. This reference is critical for accurate production, measurement and sale of products in the emerging market applications of fibre optics such as dense wavelength division multiplexing (DWDM) systems.

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) 2006-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61744:2005 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61315	NOTE	Harmonized as EN 61315:1997 (not modified).
IEC 61746	NOTE	Harmonized as EN 61746:2005 (not modified).
IEC 60793-1-1	NOTE	Harmonized as EN 60793-1-1:2003 (not modified).
ISO 9000	NOTE	Harmonized in the EN ISO 9000 series (not modified).
ISO 10012	NOTE	Harmonized as EN ISO 10012 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-731	- ¹⁾	International Electrotechnical Vocabulary (IEV) Chapter 731: Optical fibre communication	-	-
IEC 60825-1	- ¹⁾	Safety of laser products Part 1: Equipment classification, requirements and user's guide	EN 60825-1 + corr. February	1994 ²⁾ 1995
IEC 62129	- ³⁾	Calibration of optical spectrum analyzers	-	-
ISO 9000	Series	Quality management and quality assurance standards	EN ISO 9000	Series
BIPM/IEC/IFCC/ ISO/IUPAC/ IUPAP/OIML	1995	Guide to the Expression of Uncertainty in Measurement (GUM)	-	-
ISO/IEC 17025	- ¹⁾	General requirements for the competence of testing and calibration laboratories	EN ISO/IEC 17025	2005 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ At draft stage.

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