



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61290-7-1:2007

ICS 33.180.30

**OPTICAL AMPLIFIERS - TEST METHODS --
PART 7-1: OUT-OF-BAND INSERTION
LOSSES - FILTERED OPTICAL POWER
METER METHOD (IEC 61290-7-1:2007
(EQV))**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61290-7-1

June 2007

ICS 33.180.30

Supersedes EN 61290-7-1:1998

English version

**Optical amplifiers -
Test methods -
Part 7-1: Out-of-band insertion losses -
Filtered optical power meter method
(IEC 61290-7-1:2007)**

Amplificateurs optiques -
Méthodes d'essai -
Partie 7-1: Pertes d'insertion hors-bande -
Méthode par puissance-mètre
optique filtré
(CEI 61290-7-1:2007)

Prüfverfahren
für Lichtwellenleiter-Verstärker -
Teil 7-1: Einfügungsdämpfungen
außerhalb des Bandes -
Leistungsmessverfahren
mit optischem Filter
(IEC 61290-7-1:2007)

This European Standard was approved by CENELEC on 2007-05-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86C/726/CDV, future edition 2 of IEC 61290-7-1, prepared by SC 86C, Fibre optic systems and active devices, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61290-7-1 on 2007-05-01.

This European Standard supersedes EN 61290-7-1:1998.

The main significant changes are the following:

- the title has been changed to be consistent with other documents in the EN 61290 series;
- the applicability has been extended to all commercially available optical amplifiers - not just optical fiber amplifiers;
- Clause 9, EMC, has been added.

This standard is to be used in conjunction with EN 61291-1:2006.

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) | 2008-02-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-05-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61290-7-1:2007 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 60793-1 | NOTE | Harmonized in EN 60793-1 series (not modified). |
| IEC 60825-2 | NOTE | Harmonized as EN 60825-2:2004 (not modified). |
| IEC 60874-1 | NOTE | Harmonized as EN 60874-1:2003 (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 When 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 61291-1 | - ¹⁾ | Optical amplifiers - Part 1: Generic specification | EN 61291-1 | 2006 ²⁾ |

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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