



**National Standards Authority of Ireland**

IRISH STANDARD

**I.S. EN 61290-10-3:2003**

ICS 33.180.20

**OPTICAL AMPLIFIERS -  
TEST METHODS  
PART 10-3: MULTICHANNEL PARAMETERS -  
PROBE METHODS  
(IEC 61290-10-3:2002)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
October 8, 2003*

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EUROPEAN STANDARD

**EN 61290-10-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2003

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ICS 33.180.20

English version

**Optical amplifiers -  
Test methods  
Part 10-3: Multichannel parameters -  
Probe methods  
(IEC 61290-10-3:2002)**

Amplificateurs optiques -  
Méthodes d'essai  
Partie 10-3: Paramètres à canaux  
multiples -  
Méthodes par sondage  
(CEI 61290-10-3:2002)

Prüfverfahren für  
Lichtwellenleiter-Verstärker  
Teil 10-3: Mehrkanalparameter -  
Sondenmessverfahren  
(IEC 61290-10-3:2002)

This European Standard was approved by CENELEC on 2003-02-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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**

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## Foreword

The text of document 86C/459/FDIS, future edition 1 of IEC 61290-10-3, prepared by SC 86C, Fibre optic systems and active devices, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61290-10-3 on 2003-02-01.

This standard shall be read in conjunction with EN 61291-1:1998 and EN 61290-3:2000

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) 2004-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-02-01

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 annexes A and B are informative.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61290-10-3:2002 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 60825-1	NOTE	Harmonized as EN 60825-1:1994 (not modified).
IEC 60825-2	NOTE	Harmonized as EN 60825-2:2000 (not modified).
IEC 60874-1	NOTE	Harmonized as EN 60874-1:1999 (not modified).

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 61290-3	- <sup>1)</sup>	Optical fibre amplifiers - Basic specification Part 3: Test methods for noise figure parameters	EN 61290-3	2000 <sup>2)</sup>
IEC 61290-10-1	- <sup>1)</sup>	Optical amplifiers – Test methods Part 10-1: Multichannel parameters - Pulse method using an optical switch and optical spectrum analyzer	EN 61290-10-1	2003 <sup>2)</sup>
IEC 61290-10-2	- <sup>1)</sup>	Part 10-2: Multichannel parameters - Pulse method using a gated optical spectrum analyzer	EN 61290-10-2	2003 <sup>2)</sup>
IEC 61291-1	- <sup>1)</sup>	Optical fibre amplifiers Part 1: Generic specification	EN 61291-1	1998 <sup>2)</sup>
IEC 61291-4	- <sup>1)</sup>	Optical amplifiers Part 4: Multichannel applications - Performance specification template	EN 61291-4	2003 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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