



# SLOVENSKI STANDARD SIST EN 61290-3:2008

01-december-2008

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Optical amplifiers - Test methods - Part 3: Noise figure parameters (IEC 61290-3:2008)

Lichtwellenleiter-Verstärker - Prüfverfahren - Teil 3: Rauschzahlparameter (IEC 61290-3:2008)

**iTeh STANDARD PREVIEW**

Amplificateurs optiques - Méthodes d'essais - Partie 3: Paramètres du facteur de bruit (CEI 61290-3:2008)

[SIST EN 61290-3:2008](https://standards.iteh.ai/catalog/standards/sist/a5f6f325-f967-486d-bd99-65904a5c1311/sist-en-61290-3-2008)

Ta slovenski standard je istoveten z: **EN 61290-3:2008**

**ICS:**

33.180.30 U] cã } ã[ bæ ^çæ) ã ã Optic amplifiers

**SIST EN 61290-3:2008**

**en,fr**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61290-3**

October 2008

ICS 33.180.30

Supersedes EN 61290-3:2000

English version

**Optical amplifiers -  
Test methods -  
Part 3: Noise figure parameters  
(IEC 61290-3:2008)**

Amplificateurs optiques -  
Méthodes d'essais -  
Partie 3: Paramètres du facteur de bruit  
(CEI 61290-3:2008)

Lichtwellenleiter-Verstärker -  
Prüfverfahren -  
Teil 3: Rauschzahlparameter  
(IEC 61290-3:2008)

**iTeh STANDARD PREVIEW**

This European Standard was approved by CENELEC on 2008-10-01. 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/842/FDIS, future edition 2 of IEC 61290-3, 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 61290-3 on 2008-10-01.

This European Standard supersedes EN 61290-3:2000.

EN 61290-3:2008 includes updates to specifically address additional types of optical amplifiers and to highlight that the EN 61290-3 series pertains to single-channel amplifiers. References have been added to the documents pertaining to multichannel amplifiers.

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) 2009-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-10-01

Annex ZA has been added by CENELEC.

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## iTech STANDARD PREVIEW

### Endorsement notice

The text of the International Standard IEC 61290-3:2008 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61290-10

NOTE Harmonized in EN 61290-10 series (not modified).

<https://standards.iteh.ai/catalog/standards/sist/a5f6325-f967-486d-bd99-6590-a5c1511/sist-en-61290-3-2008>

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## 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 61290-3-1	- <sup>1)</sup>	Optical amplifiers - Test methods - Part 3-1: Noise figure parameters - Optical spectrum analyzer method	EN 61290-3-1	2003 <sup>2)</sup>
IEC 61290-3-2	- <sup>1)</sup>	Optical amplifiers - Test methods - Part 3-2: Noise figure parameters - Electrical spectrum analyzer method	EN 61290-3-2	2008 <sup>2)</sup>
IEC 61291-1	- <sup>1)</sup>	Optical amplifiers - Part 1: Generic specification	EN 61291-1	2006 <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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IEC 61290-3

Edition 2.0 2008-08

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Optical amplifiers – Test methods –  
Part 3: Noise figure parameters**

STANDARD PREVIEW  
(standards.iteh.ai)

**Amplificateurs optiques – Méthodes d'essais –  
Partie 3: Paramètres du facteur de bruit**

SIST EN 61290-3:2008  
http://standards.iteh.ai/catalog/standards/sist/a5f6f325-f967-486d-bd99-63964a3c1311/sist-en-61290-3-2008

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX



ICS 33.180.30

ISBN 2-8318-9952-4

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**OPTICAL AMPLIFIERS –  
TEST METHODS –**
**Part 3: Noise figure parameters**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61290-3 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition, published in 2000, and constitutes a technical revision. It includes updates to specifically address additional types of optical amplifiers and to highlight that the IEC 61290-3 series pertains to single-channel amplifiers. References have been added to the documents pertaining to multichannel amplifiers.

The text of this standard is based on the following documents:

FDIS	Report on voting
86C/842/FDIS	86C/854/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.