

Optical amplifiers - Test methods - Part 1-1: Power and gain parameters - Optical spectrum analyzer method

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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English Version

**Optical amplifiers - Test methods - Part 1-1: Power and gain  
parameters - Optical spectrum analyzer method  
(IEC 61290-1-1:2020)**

Amplificateurs optiques - Méthodes d'essai - Partie 1-1:  
Paramètres de puissance et de gain - Méthode de  
l'analyseur de spectre optique  
(IEC 61290-1-1:2020)

Prüfverfahren für Lichtwellenleiter-Verstärker - Teil 1-1:  
Optische Leistungs- und Verstärkungsparameter -  
Verfahren mit optischem Spektralanalysator  
(IEC 61290-1-1:2020)

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## European foreword

The text of document 86C/1673(F)/FDIS, future edition 4 of IEC 61290-1-1, 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 approved by CENELEC as EN IEC 61290-1-1:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-07-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-10-08

This document supersedes EN 61290-1-1:2015 and all of its amendments and corrigenda (if any).

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IEC 61290-10 series NOTE Harmonized as EN 61290-10 series

## Annex ZA (normative)

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                | <u>EN/HD</u>      | <u>Year</u> |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------|-------------------|-------------|
| IEC 60793-2-50     | -           | Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres | EN IEC 60793-2-50 | -           |
| IEC 61290-1        | -           | Optical amplifiers - Test methods - Part 1: Power and gain parameters                                       | EN 61290-1        | -           |
| IEC 61291-1        | -           | Optical amplifiers - Part 1: Generic specification                                                          | EN IEC 61291-1    | -           |

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Optical amplifiers – Test methods –  
Part 1-1: Power and gain parameters – Optical spectrum analyzer method**

**Amplificateurs optiques – Méthodes d'essai –  
Partie 1-1: Paramètres de puissance et de gain – Méthode de l'analyseur de  
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Optical spectrum analyzer method****FOREWORD**

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This fourth edition cancels and replaces the third edition published in 2015 and constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition: addition of techniques to test gain ripple of SOAs.

The text of this International Standard is based on the following documents:

| FDIS          | Report on voting |
|---------------|------------------|
| 86C/1673/FDIS | 86C/1687/RVD     |

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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