

Optical amplifiers — Test methods —

Part 3-1: Noise figure parameters — Optical spectrum analyzer method

The European Standard EN 61290-3-1:2003 has the status of a
British Standard

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National foreword

This British Standard is the official English language version of EN 61290-3-1:2003. It is identical with IEC 61290-3-1:2003. It supersedes DD IEC PAS 61290-3-1:2002 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/3, Fibre optic systems and active devices, which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 17 and a back cover.

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Test methods
Part 3-1: Noise figure parameters –
Optical spectrum analyzer method
(IEC 61290-3-1:2003)**

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Méthodes d'essai
Partie 3-1: Paramètres du facteur de bruit -
Méthode d'analyseur du spectre optique
(CEI 61290-3-1:2003)

Lichtwellenleiter-Verstärker -
Prüfverfahren
Teil 3-1: Rauschzahlparameter -
Prüfverfahren mit optischem
Spektralanalysator
(IEC 61290-3-1:2003)

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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 86C/543/FDIS, future edition 1 of IEC 61290-3-1, 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 was approved by CENELEC as EN 61290-3-1 on 2003-11-01.

This standard is to be read in conjunction with EN 61291-1:1998.

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) 2004-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-11-01

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Annexes designated "normative" are part of the body of the standard.

In this standard, annexes A and ZA are normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61290-3-1:2003 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 60793-1-1	NOTE	Harmonized as EN 60793-1-1:2003 (not modified).
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).
IEC 61290-3	NOTE	Harmonized as EN 61290-3:2000 (not modified).

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INTRODUCTION

This part of IEC 61290 is devoted to the subject of optical amplifiers. The technology of optical amplifiers is still rapidly evolving, hence amendments and new additions to this standard can be expected.

Each abbreviation introduced in this standard is generally explained in the text the first time it appears. However, for an easier understanding of the whole text, a list of all abbreviations used in this standard is given in Clause 3.