

Optical amplifiers — Test methods —

Part 10-2: Multichannel parameters — Pulse method using a gated optical spectrum analyzer

The European Standard EN 61290-10-2:2003 has the status of a
British Standard

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 16, an inside back cover and a back cover.

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**Optical amplifiers -
Test methods
Part 10-2: Multichannel parameters -
Pulse method using a gated optical spectrum analyzer
(IEC 61290-10-2:2003)**

Amplificateurs optiques -
Méthodes d'essai
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eines ausblendbaren optischen
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(IEC 61290-10-2:2003)

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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/461/FDIS, future edition 1 of IEC 61290-10-2, 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 61290-10-2 on 2003-02-01.

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with the EN have to be withdrawn (dow) 2006-02-01

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One patent concerns a technique for determining the amplified spontaneous emission noise of an optical amplifier in the presence of an optical signal given in clause 3 and clause 5.

The IEC and CENELEC take no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured the IEC that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with the IEC. Information may be obtained from:

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Another patent concerns a measurement system and noise measurement apparatus for an optical amplifier given in clause 3 and clause 5.

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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.

Endorsement notice

The text of the International Standard IEC 61290-10-2:2003 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

As far as can be determined, this part of IEC 61290 is the first international standard on this subject. The technology of optical fibre amplifiers is still evolving, hence amendments and new editions to this document should be expected.

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