SLOVENSKI STANDARD
SIST EN 61290-10-1:2009

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Optiļni ojaļ evalniki - Preskusne metode - 10-1. del: Parametri z veļ kanali - Metoda s pulzom pri uporabi optiļnega stikala in optiļnega spektralnega analizatorja (IEC 61290-10-1:2009)

Optical amplifier test methods - Part 10-1: Multichannel parameters - Pulse method using an optical switch and optical spectrum analyzer (IEC 61290-10-1:2009)

Prüfverfahren für Lichtwellenleiter-Verstärker - Teil 10-1: Mehrkanalparameter - Pulsmethode bei Verwendung eines optischen Schalters und optischen Spektralanalysators (IEC 61290-10-1:2009)

Amplificateurs optiques - Méthodes d'essai - Partie 10-1: Paramètres à canaux multiples - Méthode d'impulsion utilisant un interrupteur optique et un analyseur de spectre optique (CEI 61290-10-1:2009)

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NORME EUROPÉENNE

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EN 61290-10-1

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English version

Optical amplifiers - Test methods - Part 10-1: Multichannel parameters - Pulse method using an optical switch and optical spectrum analyzer

(IEC 61290-10-1:2009)

Amplificateurs optiques - Méthodes d'essai - Partie 10-1: Paramètres à canaux multiples - Méthode d'impulsion utilisant un interrupteur optique et un analyseur de spectre optique (CEI 61290-10-1:2009)

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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: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86C/778/CDV, future edition 2 of IEC 61290-10-1, 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 61290-10-1 on 2009-04-01.

This European Standard supersedes EN 61290-10-1:2003.

It contains updated references and cautions on proper use of the procedure.

This European Standard is to be read in conjunction with EN 61291-1.

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) 2010-01-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61290-10-1:2009 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	NOTE	Harmonized in EN 60793-1 series (partially modified).
IEC 60825-1	NOTE	Harmonized as EN 60825-1:2007 (not modified).
IEC 60825-2	NOTE	Harmonized as EN 60825-2:2004 (not modified).
IEC 60874-1	NOTE	Harmonized as EN 60874-1:2007 (not modified).
IEC 61290-1-1	NOTE	Harmonized as EN 61290-1-1:2006 (not modified).
IEC 61290-3	NOTE	Harmonized as EN 61290-3:2008 (not modified).

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.

Publication	Year	Title	EN/HD	Year
IEC 61291-1	- [1)]	Optical amplifiers - Part 1: Generic specification	EN 61291-1	2006 [2)]

[1)] Undated reference.

[2)] Valid edition at date of issue.

IEC 61290-10-1

Edition 2.0 2009-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical amplifiers – Test methods – Part 10-1: Multichannel parameters – Pulse method using an optical switch and optical spectrum analyzer

Amplificateurs optiques – Méthodes d'essai Partie 10-1: Paramètres à canaux multiples – Méthode d'impulsion utilisant un interrupteur optique et un analyseur de spectre optique

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OPTICAL AMPLIFIERS – TEST METHODS –

Part 10-1: Multichannel parameters – Pulse method using an optical switch and optical spectrum analyzer

FOREWORD

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International Standard IEC 61290-10-1 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 2003. It is a technical revision with updated references and cautions on proper use of the procedure.

This International Standard is to be read in conjunction with IEC 61291-1.

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

CDV	Report on voting
86C/778/CDV	86C/809/RVC

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

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

A list of all parts of the IEC 61290 series, published under the general title *Optical amplifiers – Test methods*[1)] can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

1) The first editions of some of these parts were published under the general title *Optical fibre amplifiers – Basic specification* or *Optical amplifier test methods*.

INTRODUCTION

This International Standard is devoted to the subject of optical fibre amplifiers. The technology of optical fibre amplifiers is still rapidly evolving, hence amendments and new editions to this standard can be expected.