
Električna oprema za merjenje, kontrolo in laboratorijsko uporabo - Zahteve za elektromagnetno združljivost (EMC) - 2-1. del: Posebne zahteve - Preskusne konfiguracije, obratovalni pogoji in merila za lastnosti občutljive preskušalne in merilne opreme za aplikacije v razmerah brez zaščite proti elektromagnetnim motnjam EMC (IEC 61326-2-1:2005)

(istoveten EN 61326-2-1:2006)

Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1 Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2005)

[SIST EN 61326-2-1:2007](https://standards.iteh.ai/catalog/standards/sist/dc34eda0-6298-4eac-8ad0-a8a579edc74f/sist-en-61326-2-1-2007)

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English version

**Electrical equipment for measurement,
control and laboratory use –
EMC requirements
Part 2-1: Particular requirements –
Test configurations, operational conditions and performance criteria
for sensitive test and measurement equipment
for EMC unprotected applications
(IEC 61326-2-1:2005)**

Matériel électrique de mesure,
de commande et de laboratoire –
Exigences relatives à la CEM
Partie 2-1: Exigences particulières –
Configurations d'essai, conditions
fonctionnelles et critères de performance
pour essai de sensibilité et équipement
de mesures pour les applications
non protégées de la CEM
(CEI 61326-2-1:2005)

Elektrische Mess-, Steuer-, Regel-
und Laborgeräte –
EMV-Anforderungen
Teil 2-1: Besondere Anforderungen –
Prüfanordnung, Betriebsbedingungen
und Leistungsmerkmale
für empfindliche Prüf- und Messgeräte
für Anwendungen
ohne EMV-Schutzmaßnahmen
(IEC 61326-2-1:2005)

This European Standard was approved by CENELEC on 2006-02-01. 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, 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 65A/454/FDIS, future edition 1 of IEC 61326-2-1, prepared by SC 65A, System aspects, of IEC TC 65, Industrial-process measurement and control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61326-2-1 on 2006-02-01.

The EN 61326 series supersedes EN 61326:1997 + corrigendum September 1998 + A1:1998 + A2:2001 + A3:2003.

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) 2006-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-02-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 89/336/EEC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61326-2-1:2005 was approved by CENELEC as a European Standard without any modification.

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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 Where 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 60050-161	1990	International Electrotechnical Vocabulary Chapter 161: Electromagnetic compatibility	–	–
IEC 61326-1	2005	Electrical equipment for measurement, control and laboratory use – EMC requirements Part 1: General requirements	EN 61326-1	2006

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Annex ZZ
(informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Article 4 of the EC Directive 89/336/EEC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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NORME
INTERNATIONALE
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CEI
IEC

61326-2-1

Première édition
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**Matériel électrique de mesure,
de commande et de laboratoire –
Exigences relatives à la CEM –**

**Partie 2-1:
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[SIST EN 61326-2-1:2007](https://www.iec.ch/catalogue/standards/sist/en-61326-2-1-2007)

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**Electrical equipment for measurement,
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**Part 2-1:
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International Electrotechnical Commission, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL EQUIPMENT FOR MEASUREMENT,
CONTROL AND LABORATORY USE –
EMC REQUIREMENTS –****Part 2-1: Particular requirements – Test configurations,
operational conditions and performance criteria for sensitive test
and measurement equipment for EMC unprotected applications**

FOREWORD

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International Standard IEC 61326-2-1 has been prepared by subcommittee 65A: System aspects, of IEC technical committee 65: Industrial-process measurement and control.

The IEC 61326 series cancels and replaces IEC 61326:2002 and constitutes a technical revision.

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

FDIS	Report on voting
65A/454/FDIS	65A/458/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.

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

It consists of the following parts, under the general title: *Electrical equipment for measurement, control and laboratory use – EMC requirements*

- Part 1: General requirements – (Annexes A and B of IEC 61326: 2002 are integrated in the main body of IEC 61326-1)
- Part 2-1: Sensitive test and measurement equipment for EMC unprotected applications (Annex D of IEC 61326:2002)
- Part 2-2: Portable test, measuring and monitoring equipment used in low-voltage distribution systems (Annex E of IEC 61326:2002)
- Part 2-3: Transducers with integrated or remote signal conditioning (includes Annex F of IEC 61326:2002)¹
- Part 2-4: Insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9¹
- Part 2-5: Test configurations, operational conditions and performance criteria for field devices with interfaces according to communication profile Family 3 Profile 3/2¹
- Part 2-6: *In vitro* diagnostic (IVD) medical equipment
- Part 3-1: Immunity requirements for equipment performing or intended to perform safety related functions (functional safety) – Part 3.1.7 General industrial applications (The matter of functional safety in Table 2 of IEC 61326:2002 is incorporated into IEC 61326-3-1)¹

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 To be published