

Electrical equipment for measurement, control and laboratory use — EMC requirements —

**Part 2-4: Particular requirements —
Test configurations, operational
conditions and performance criteria
for insulation monitoring devices
according to IEC 61557-8 and for
equipment for insulation fault location
according to IEC 61557-9**

The European Standard EN 61326-2-4:2006 has the status of a
British Standard

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National foreword

This British Standard was published by BSI. It is the UK implementation of EN 61326-2-4:2006. It is identical with IEC 61326-2-4:2006. Together with BS EN 61326-1:2006, BS EN 61326-2-1:2006, BS EN 61326-2-2:2006, BS EN 61326-2-3:2006, BS EN 61326-2-5:2006 and BS EN 61326-2-6:2006 supersedes BS EN 61326:1998 which will be withdrawn no later than 1 February 2009.

The UK participation in its preparation was entrusted by Technical Committee GEL/65, Measurement and control, to Subcommittee GEL/65/1, System considerations.

A list of organizations represented on GEL/65/1 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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(IEC 61326-2-4:2006)**

Matériel électrique de mesure,
de commande et de laboratoire -
Exigences relatives à la CEM
Partie 2-4: Exigences particulières -
Configurations d'essai, conditions
de fonctionnement et critères d'aptitude
à la fonction pour les dispositifs
de surveillance d'isolation en accord
avec la CEI 61557-8
et pour les équipements de localisation
de défaut d'isolation en accord
avec la CEI 61557-9
(CEI 61326-2-4:2006)

Elektrische Mess-, Steuer-, Regel-
und Laborgeräte -
EMV-Anforderungen
Teil 2-4: Besondere Anforderungen -
Prüfanordnung, Betriebsbedingungen
und Leistungsmerkmale
für Isolationsüberwachungsgeräte gemäß
IEC 61557-8 und Geräte
zur Isolationsfehlerortung gemäß
IEC 61557-9
(IEC 61326-2-4:2006)

This European Standard was approved by CENELEC on 2006-11-01. 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

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Foreword

The text of document 65A/473/FDIS, future edition 1 of IEC 61326-2-4, 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 61326-2-4 on 2006-11-01.

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

This part of EN 61326 is to be used in conjunction with EN 61326-1:2006 and follows the same numbering of clauses, subclauses, tables and figures as that standard.

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) 2007-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-11-01

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.

Endorsement notice

The text of the International Standard IEC 61326-2-4:2006 was approved by CENELEC as a European Standard without any modification.

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**ELECTRICAL EQUIPMENT FOR MEASUREMENT,
CONTROL AND LABORATORY USE –
EMC REQUIREMENTS –**

**Part 2-4: Particular requirements – Test configurations,
operational conditions and performance criteria for insulation
monitoring devices according to IEC 61557-8 and for equipment
for insulation fault location according to IEC 61557-9**

1 Scope

Clause 1 of IEC 61326-1 applies except as follows:

Addition:

This part of IEC 61326 specifies more detailed test configurations, operational conditions and performance criteria than IEC 61326-1 for equipment for

- insulation monitoring according to IEC 61557-8;
- insulation fault location according to IEC 61557-9.

This applies to insulation monitoring devices and insulation fault location systems permanently or semi-permanently connected to the distribution system.

2 Normative references

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.

Clause 2 of IEC 61326-1 applies, except as follows:

Addition:

IEC 61000-4-2: *Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test*

IEC 61000-4-3: *Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-4-4: *Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test*

IEC 61000-4-5: *Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test*

IEC 61000-4-6: *Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields*