



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61010-2-051:2003**

ICS 19.080  
71.040.20

**SAFETY REQUIREMENTS FOR ELECTRICAL  
EQUIPMENT FOR MEASUREMENT, CONTROL,  
AND LABORATORY USE  
PART 2-051: PARTICULAR REQUIREMENTS  
FOR LABORATORY EQUIPMENT FOR MIXING  
AND STIRRING  
(IEC 61010-2-051:2003)**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

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EUROPEAN STANDARD

**EN 61010-2-051**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2003

ICS 19.080; 71.040.20

Supersedes EN 61010-2-051:1995

English version

**Safety requirements for electrical equipment for measurement,  
control, and laboratory use**  
**Part 2-051: Particular requirements for laboratory equipment  
for mixing and stirring**  
(IEC 61010-2-051:2003)

Règles de sécurité pour appareils  
électriques de mesure,  
de régulation et de laboratoire  
Partie 2-051: Prescriptions particulières  
pour appareils de laboratoire  
utilisés pour mixer et agiter  
(CEI 61010-2-051:2003)

Sicherheitsbestimmungen für elektrische  
Mess-, Steuer-, Regel- und Laborgeräte  
Teil 2-051: Besondere Anforderungen an  
Laborgeräte zum Mischen und Rühren  
(IEC 61010-2-051:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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 66/325/FDIS, future edition 2 of IEC 61010-2-051, prepared by IEC TC 66, Safety of measuring, control and laboratory equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61010-2-051 on 2003-10-01.

This European Standard supersedes EN 61010-2-051:1995.

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) 2004-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-10-01

This Part 2-051 is intended to be used in conjunction with EN 61010-1:2001.

This Part 2-051 supplements or modifies the corresponding clauses in EN 61010-1 so as to convert it into the European Standard: Safety requirements for laboratory equipment for for mixing and stirring.

Where a particular clause or subclause of Part 1 is not mentioned in this part 2, that clause or subclause applies as far as is reasonable. Where this part 2 states "addition", "modification", "replacement" or "deletion" the relevant text of Part 1 is to be adapted accordingly.

In this standard:

- 1) the following print types are used:
  - requirements: in roman type;
  - NOTES: in smaller roman type;
  - *conformity and test: in italic type;*
  - terms used throughout this standard which have been defined in Clause 3: SMALL ROMAN CAPITALS;
- 2) subclauses, figures, tables and notes which are additional to those in Part 1 are numbered starting from 101.

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## Endorsement notice

The text of the International Standard IEC 61010-2-051:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61010-2-010 NOTE Harmonized as EN 61010-2-010:2003 (not modified).

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# INTERNATIONAL STANDARD

**IEC**  
**61010-2-051**

Second edition  
2003-06

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GROUP SAFETY PUBLICATION

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**Safety requirements for electrical equipment  
for measurement, control, and laboratory use –**

**Part 2-051:  
Particular requirements for laboratory equipment  
for mixing and stirring**

*Règles de sécurité pour appareils électriques  
de mesure, de régulation et de laboratoire –*

*Partie 2-051:  
Prescriptions particulières pour appareils  
de laboratoire utilisés pour mixer et agiter*



Reference number  
IEC 61010-2-051:2003(E)

## Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

## Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

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