

Safety requirements for electrical equipment for measurement, control, and laboratory use —

Part 2-010: Particular requirements for laboratory equipment for the heating of material

The European Standard EN 61010-2-010:2003 has the status of a
British Standard

ICS 19.080; 71.040.20

National foreword

This British Standard is the official English language version of EN 61010-2-010:2003. It is identical with IEC 61010-2-010:2003. It supersedes BS EN 61010-2-010:1995 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/66, Safety of measuring, control and laboratory equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

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NORME EUROPÉENNE

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ICS 19.080; 71.040.20

Supersedes EN 61010-2-010:1994 + A1:1996

English version

**Safety requirements for electrical equipment for measurement,
control, and laboratory use**
**Part 2-010: Particular requirements for laboratory equipment
for the heating of material**
(IEC 61010-2-010:2003)

Règles de sécurité pour appareils
électriques de mesure,
de régulation et de laboratoire
Partie 2-010: Prescriptions particulières
pour appareils de laboratoire utilisés
pour l'échauffement des matières
(CEI 61010-2-010:2003)

Sicherheitsbestimmungen für elektrische
Mess-, Steuer-, Regel und Laborgeräte
Teil 2-010: Besondere Anforderungen an
Laborgeräte für das Erhitzen von Stoffen
(IEC 61010-2-010:2003)

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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.

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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 66/324/FDIS, future edition 2 of IEC 61010-2-010, 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 61010-2-010 on 2003-10-01.

This European Standard supersedes EN 61010-2-010:1994 + A1:1996.

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 2-010 is intended to be used in conjunction with EN 61010-1:2001.

This Part 2-010 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 the heating of materials.

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.

Endorsement notice

The text of the International Standard IEC 61010-2-010:2003 was approved by CENELEC as a European Standard without any modification.

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SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE –

Part 2-010: Particular requirements for laboratory equipment for the heating of materials

1 Scope and object

This clause of Part 1 is applicable except as follows:

1.1.1 Equipment included in scope

Replacement:

Replace the text by the following:

This part of IEC 61010 applies only to electrically powered laboratory equipment for the heating of materials, where the heating of materials is the only function or is one of several functions of the equipment.

NOTE If all or part of the equipment falls within the scope of one or more other part 2 standards of IEC 61010 as well as within the scope of this standard, it will also need to meet the requirements of those other part 2 standards. In particular, if equipment is intended to be used for IVD purposes, it will need to meet the requirements of IEC 61010-2-101

1.1.2 Equipment excluded from scope

Addition:

Add the following three new items after item i)

- aa) equipment for the heating and ventilation of laboratories;
- bb) sterilizing equipment;
- cc) heating equipment which the OPERATOR is intended to enter, and which is large enough for the OPERATOR to remain inside with the door or doors closed.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions

This clause of Part 1 is applicable

4 Tests

This clause of Part 1 is applicable except as follows: