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JUHTIMIS- JA LABORATOORIUMISEADMETELE. OSA 2-  
010: ERINÕUDED LABORATOORSETELE MATERJALIDE  
KUUMUTAMISE SEADMETELE**

**Safety requirements for electrical equipment for  
measurement, control and laboratory use - Part 2-010:  
Particular requirements for laboratory equipment for  
the heating of materials**

**EESTI STANDARDI EESSÕNA****NATIONAL FOREWORD**

See Eesti standard EVS-EN 61010-2-010:2014 sisaldab Euroopa standardi EN 61010-2-010:2014 ingliskeelset teksti.	This Estonian standard EVS-EN 61010-2-010:2014 consists of the English text of the European standard EN 61010-2-010:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.11.2014.	Date of Availability of the European standard is 07.11.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 19.080, 71.040.20

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EUROPEAN STANDARD

**EN 61010-2-010**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 19.080; 71.040.20

Supersedes EN 61010-2-010:2003

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 Materials  
(IEC 61010-2-010:2014)**

Règles de sécurité pour appareils électriques de mesurage,  
de régulation et de laboratoire - Partie 2-010: Exigences  
particulières pour appareils de laboratoire utilisés pour  
l'échauffement des matières  
(CEI 61010-2-010:2014)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-,  
Regel- und Laborgeräte - Teil 2-010: Besondere  
Anforderungen an Laborgeräte für das Erhitzen von Stoffen  
(IEC 61010-2-010:2014)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 66/532/FDIS, future edition 3 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 approved by CENELEC as EN 61010-2-010:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-07-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-10-30

This document supersedes EN 61010-2-010:2003.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

### Endorsement notice

The text of the International Standard IEC 61010-2-010:2014 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:*

This part of IEC 61010 specifies safety requirements for electrically powered laboratory equipment for the heating of materials, where the heating of materials is one of the 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 after item j):*

- aa) equipment for the heating and ventilation of laboratories;
- bb) sterilizing equipment;
- cc) heating and/or cooling 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, except as follows:

*Addition:*

ISO 7010:2011, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

### 3 Terms and definitions

This clause of Part 1 is applicable except as follows:

#### 3.2 Parts and accessories

*Addition:*

##### 3.2.101

##### HEAT TRANSFER MEDIUM

medium used to transfer heat to the material being processed