



CSA C22.2 No. 61010-2-010:19

**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 61010-2-010:2019, MOD)

CSA C22.2 n° 61010-2-010:19

**Exigences 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**
(IEC 61010-2-010:2019, MOD)



Standards Council of Canada
Conseil canadien des normes

Standards Update Service

***CSA C22.2 No. 61010-2-010:19
November 2019***

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

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Prepared by
International Electrotechnical Commission



Reviewed by



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Published in November 2019 by CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3

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or call toll-free 1-800-463-6727 or 416-747-4044.

ICS 19.080; 71.040.20
ISBN 978-1-4883-2621-9

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

GROUP SAFETY PUBLICATION
PUBLICATION GROUPEE DE SÉCURITÉ

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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 second paragraph by the following:

This part of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever the heating of materials is one of the functions of the equipment.

Addition:

Add the following text after item c):

It is possible that 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. In that case, the requirements of those other Part 2 standards will also apply. In particular, if equipment is intended to be used for in vitro diagnostic (IVD) purposes, the requirements of IEC 61010-2-101 will also apply. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more severe HAZARDS than if treated separately, then it is possible that IEC 61010-2-012 is applicable instead of this Part 2-010.

See further information in the flow chart (Figure 102) for the selection process and the guidance in the Introduction.

1.1.2 Equipment excluded from scope

Addition:

Add the following items after item j):

- a) equipment for the heating and ventilation of laboratories;
- b) sterilising equipment;
- c) 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:

Add the following reference to the list: