

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Industrial platinum resistance thermometers and platinum temperature sensors**

**Thermomètres à résistance de platine et capteurs hermométriques de platine industriels**





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IEC 60751 has been prepared by subcommittee 65B: Measurement and control devices, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) formula of resistance versus temperature relationship become the standard specification and the numerical table ceases to be the standard,
- b) new clause "Compliance and requirement" is introduced,
- c) tolerance acceptance test is modified,
- d) an expanded marking system is introduced to accommodate special valid temperature range,
- e) vibration test method is revised,
- f) cold seal is introduced as an additional type test,

g) numerical table of resistance versus temperature is included in Annex A as information.

The text of this International Standard is based on the following documents:

Draft	Report on voting
65B/1210/FDIS	65B/1214/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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