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**BS EN 60751:2008**



# **BSI British Standards**

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

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**BSI**  
British Standards

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This British Standard is the UK implementation of EN 60751:2008. It is identical to IEC 60751:2008. It supersedes BS EN 60751:1996 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/65, Measurement and control, to Subcommittee GEL/65/2, Elements of systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2009

#### **Amendments issued since publication**

<b>Amd. No.</b>	<b>Date</b>	<b>Text affected</b>
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NORME EUROPÉENNE  
EUROPÄISCHE NORM

September 2008

ICS 17.200.20

Supersedes EN 60751:1995 + A2:1995

English version

**Industrial platinum resistance thermometers  
and platinum temperature sensors  
(IEC 60751:2008)**

Thermomètres à résistance  
de platine industriels  
et capteurs thermométriques en platine  
(CEI 60751:2008)

Industrielle  
Platin-Widerstandsthermometer  
und Platin-Sensoren  
(IEC 60751:2008)

This European Standard was approved by CENELEC on 2008-08-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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**

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## Foreword

The text of document 65B/664/FDIS, future edition 2 of IEC 60751, prepared by SC 65B, Devices & process analysis, of IEC TC 65, Industrial-process measurement, control and automation, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60751 on 2008-08-01.

This European Standard supersedes EN 60751:1995 + A2:1995.

The significant technical changes with respect to EN 60751:1995 are as follows:

While the temperature/resistance relationship in 4.2 remains unchanged, there are several changes in the other chapters. Most important are:

- tolerance classes follow a new scheme;
- tolerance acceptance test is included;
- hysteresis test is included;
- several changes in the individual tests;
- appendices are deleted.

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) 2009-05-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-08-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60751:2008 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61152 (mod)	- <sup>1)</sup>	Dimensions of metal-sheathed thermometer elements	EN 61152	1994 <sup>2)</sup>
IEC 61298-1	- <sup>1)</sup>	Process measurement and control devices - General methods and procedures for evaluating performance - Part 1: General considerations	EN 61298-1	1995 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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