

**AS/NZS 60079.7:2006**  
IEC 60079-7, Ed. 4.0 (2006)  
(Incorporating Amendment No. 1)

AS/NZS 60079.7:2006

**Australian/New Zealand Standard™**

**Explosive atmospheres**

**Part 7: Equipment protection by  
increased safety ‘e’**



## **AS/NZS 60079.7:2006**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 10 November 2006 and on behalf of the Council of Standards New Zealand on 15 December 2006.  
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*This Standard was issued in draft form for comment as DR 06540.*

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**AS/NZS 60079.7:2006**  
(Incorporating Amendment No. 1)

# Australian/New Zealand Standard™

## **Explosive atmospheres**

### **Part 7: Equipment protection by increased safety ‘e’**

Originated as AS/NZS 60079.7:2002.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres, to supersede AS/NZS 60079.7:2000.

*This Standard incorporates Amendment No. 1 (May 2007). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The objective of this Standard is to specify the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety ‘e’ intended for use in explosive gas atmospheres. This Standard applies to electrical apparatus where the rated voltage does not exceed 11 kV r.m.s. a.c. or d.c. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

This Standard is identical with, and has been reproduced from IEC 60079-7, Ed. 4.0 (2006), *Explosive atmospheres – Part 7: Equipment protection by increased safety “e”*.

The significant changes with respect to the previous edition are—

- (a) requirements for electrical connections expanded and clarified;
- (b) requirements for luminaire ballasts expanded and clarified; and
- (c) requirements for evaluation and testing of motor rotors clarified.

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The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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