

AS/NZS 60079.11:2000
IEC 60079-11:1999
(Incorporating Amendment No. 1)

AS/NZS 60079.11

Australian/New Zealand Standard™

Electrical apparatus for explosive gas atmospheres

Part 11: Intrinsic safety ‘i’



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AS/NZS 60079.11:2000

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**Electrical apparatus for explosive gas
atmospheres**

Part 11: Intrinsic safety ‘i’

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/14, Electrical Equipment in Hazardous Areas.

This Standard incorporates Amendment No. 1 (February 2001). The changes arising from the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

This Standard is identical with and has been reproduced from IEC 60079.11:1999, *Electrical apparatus for explosive gas atmospheres*, Part 11: *Intrinsic safety 'i'*.

Footnotes have been added to the original text of IEC 60079-11:1999 to provide updated information and/or clarification on the specific items/aspects marked with *.

The objective of this Standard is to set out the requirements for the design, construction, testing and marking of intrinsically safe apparatus for use in explosive atmospheres, and to specify the requirements for associated apparatus intended for connection to intrinsically safe circuits entering such atmospheres.

This Standard will run concurrently with AS 2380.7, *Electrical equipment for explosive atmospheres—Explosion-protection techniques*, Part 7: *Intrinsic safety i*, until the AS/NZS 60079 series is complete, at which time the AS 2380 series will be withdrawn.

In January 1997, the IEC commenced numbering its Standards from 60000 by adding 60000 to the number of each existing Standard. This coordinates IEC numbering with ISO numbering. During the transition period an IEC Standard might be identified by its new number or its old number (for example, IEC 60050 or IEC 50).

A reference to an International Standard identified in the Normative References Clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (**example**).

As this Standard is reproduced from an International Standard a full point should be substituted for a comma when referring to a decimal marker.

The terms 'normative' and 'informative' have been used in this Standard 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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