

AS/NZS 62086.1:2002
(Incorporating Amendment No. 1)

AS/NZS 62086.1

Australian/New Zealand Standard™

**Electrical apparatus for explosive gas
atmospheres—
Electrical resistance trace heating
Part 1: General and testing requirements**

AS/NZS 62086.1:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 11 March 2002 and on behalf of the Council of Standards New Zealand on 14 March 2002.. It was published on 4 April 2002.

The following are represented on Committee EL-014:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Electrical Compliance Testing Association of Australia
Energy Efficiency and Conservation Authority of New Zealand
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First published as AS/NZS 62086.1:2002.
Reissued incorporating Amendment No. 1 (August 2003).

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4460 5

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Electrical Equipment in Hazardous Areas.

This Standard incorporates Amendment No. 1 (August 2003) (which is identical to and has been reproduced from IEC 62086-1:2001, Corrigendum 1:2003). 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 general and testing requirements for electrical resistance trace heaters for application in explosive gas atmospheres.

This Standard is identical with and has been reproduced from IEC 62086-1:2001, *Electrical apparatus for explosive gas atmospheres—Electrical resistance trace heating Part 1: General and testing requirements*.

Footnotes in pages 2 and 6 have been added to the original text of IEC 62086-1:2001, to provide further clarification on earthing systems.

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**).

This Standard is part of a series covering electrical resistance trace heating for use in explosive gas atmospheres which comprises the following:

AS/NZS

- 62086 Electrical apparatus for explosive atmospheres—Electrical resistance trace heating
- 62086.1 Part 1: General and testing requirements (this Standard)
- 62086.2 Part 2: Application guide for design, installation and maintenance

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

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