Australian/New Zealand Standard™

# Electrical apparatus for explosive gas atmospheres—
# Electrical resistance trace heating—

## Part 2: Application guide for design, installation and maintenance (IEC 62086-2:2001, MOD)

Standards Australia

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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.

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The following interests are represented on Committee EL-014:

Association of Consulting Engineers Australia
Auckland Regional Chamber of Commerce
Australian Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Australian Gas Association
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*This Standard was issued in draft form for comment as DR 01294.*

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First published as AS/NZS 62086.2:2002.



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 4461 3

# PREFACE

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

The objective of this Standard is to provide guidance for the application of electrical resistance heating systems in areas where explosive gas atmospheres may be present; it also provides guidance for the design, installation and maintenance of trace heating equipment and associated control and monitoring equipment.

This Standard is a modified version of IEC 62086-2:2001, *Electrical apparatus for explosive gas atmospheres—Electrical resistance trace heating* Part 2: *Application guide for design, installation and maintenance.* It has been varied, as indicated, for protection of human health and safety, a certificate reason under the WTO Agreement on Technical Barriers to Trade (TBT).

Variations to IEC 62086-2:2001 are indicated at the appropriate places throughout this Standard.

Annex ZZ contains a summary of all variations and their respective explanations.

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 |
| 62086.2 | Part 2: | Application guide for design, installation and maintenance (this Standard) |

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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