

AS/NZS 61241.2.1:2000
IEC 61241-2-1:1994

Australian/New Zealand Standard™

**Electrical apparatus for use in the
presence of combustible dust**

**Part 2.1: Test methods—Methods for
determining the minimum ignition
temperatures of dust**

AS/NZS 61241.2.1:2000

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/14, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 3 December 1999 and on behalf of the Council of Standards New Zealand on 22 November 1999. It was published on 3 February 2000.

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Electrical apparatus for use in the presence of combustible dust

Part 2.1: Test methods—Methods for determining the minimum ignition temperatures of dust

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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 is identical with and has been reproduced from, IEC 61241-2-1:1994, *Electrical apparatus for use in the presence of combustible dust*, Part 2: *Test methods*, Section 1: *Methods for determining the minimum ignition temperatures of dust*.

The objective of this Standard is to provide testing authorities and certifying bodies with test methods to determine the minimum ignition temperatures of dust layers and clouds, so as to allow the proper selection of adequate electrical apparatus to be used in areas where combustible dusts are or may be present.

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).

This Standard is part of a series covering electrical apparatus for use in the presence of combustible dust which comprises the following:

AS/NZS

61241	Electrical apparatus for use in the presence of combustible dust
61241.1.1	Part 1.1: Electrical apparatus protected by enclosures and surface temperature limitation—Specification for apparatus
61241.1.2	Part 1.2: Electrical apparatus protected by enclosures and surface temperature limitation—Selection, installation and maintenance
61241.2.1	Part 2.1: Test methods—Methods for determining the minimum ignition temperatures of dust (this Standard)
61241.2.2	Part 2.2: Test methods—Method for determining the electrical resistivity of dust in layers
61241.2.3	Part 2.3: Test methods—Method for determining minimum ignition energy of dust/air mixtures
61241.3	Part 3: Classification of areas where combustible dusts are or may be present.

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 term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

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