

AS/NZS 61241.4:2002
IEC 61241-4:2001

AS/NZS 61241.4

Australian/New Zealand Standard™

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

Part 4: Type of protection ‘pD’



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AS/NZS 61241.4:2002

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 February 2002 and on behalf of the Council of Standards New Zealand on 19 February 2002. It was published on 11 March 2002.

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PREFACE

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

This Standard is identical with and has been reproduced from IEC 61241-4:2001, *Electrical apparatus for use in presence of combustible dust*, Part 4: Type of protection ‘pD’.

The objective of this Standard is to specify the requirements for design, construction, testing and marking of electrical apparatus, with type of protection pressurization ‘pD’, intended for use in potentially combustible dust atmospheres.

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). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

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

AS/NZS

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|-----------|---|
| 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 |
| 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 |
| 61241.4 | Part 4: Type of protection ‘pD’ (this Standard). |

At this stage other Standards are being developed by IEC for electrical equipment using alternate protection techniques suitable for dust hazardous areas—intrinsic safety and encapsulation.

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.

CONTENTS

		<i>Page</i>
Clause		
1	Scope	1
2	Normative references.....	1
3	Definitions	2
4	Pressurization principle.....	5
	4.1 Protective gas.....	5
	4.2 Automatic disconnection	5
	4.3 Cleaning	5
	4.4 Discharge of protective gas	5
5	General constructional requirements.....	6
	5.1 Electrical performance of apparatus.....	6
	5.2 Mechanical strength.....	6
	5.3 Apertures.....	6
	5.4 Electrical connections to enclosures	6
	5.5 Doors and covers.....	6
6	Temperature limits	7
7	Safety provisions and safety devices (except for static pressurization)	7
	7.1 General	7
	7.2 Pressure- or flow-activated devices	8
	7.3 Electrical supply	8
	7.4 Switching off electrical supply.....	8
	7.5 Failure of pressurization	8
	7.6 Level of overpressure	10
	7.7 Possible sources of ignition	10
	7.8 Enclosed components.....	10
	7.9 Separate enclosures.....	10
8	Safety provisions and safety devices for static pressurization	10
9	Supply of protective gas	11
	9.1 Type of gas.....	11
	9.2 Second source of supply.....	11
	9.3 Temperature	11
10	Verification and tests	11
	10.1 General	11
	10.2 Type verification and tests	12
	10.3 Overpressure test.....	12
	10.4 Minimum overpressure test.....	12
	10.5 Leakage test.....	12
	10.6 Impact test.....	13
	10.7 Routine tests	13
11	Marking	13
	11.1 Pressurized enclosure	13
	11.2 Additional marking.....	13
	11.3 Pressurized enclosures protected by static pressurization	14
	11.4 Any other marking required.....	14

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