

Australian/New Zealand Standard™

Explosive atmospheres

Part 29.2: Gas detectors—Selection, installation, use and maintenance of detectors for flammable gases and oxygen



AS/NZS 60079.29.2:2016

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 26 October 2015 and on behalf of the Council of Standards New Zealand on 12 February 2016. This Standard was published on 5 April 2016.

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Part 29.2: Gas detectors—Selection, installation, use and maintenance of detectors for flammable gases and oxygen

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres, to supersede AS/NZS 60079.29.2:2008.

The objective of this Standard is to provide guidance on, and recommended practice for, the selection, installation, safe use and maintenance of electrically operated group II equipment intended for use in industrial and commercial safety applications and group I equipment in underground coal mines for the detection and measurement of flammable gases complying with the requirements of AS/NZS 60079.29.1 or AS/NZS 60079.29.4.

This Standard is identical with, and has been reproduced from IEC 60079-29-2, Ed.2.0 (2015), *Explosive atmospheres, Part 29-2: Gas detectors—Selection, installation, use and maintenance of detectors for flammable gases and oxygen*. Changes to the Standard introduced by this edition are listed in the IEC Foreword.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this part of IEC 60079-29’ should read ‘this part of AS/NZS 60079.29’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards. The replacements at the time of publication are detailed in the following table but reference to the latest Australian or Australian/New Zealand Standard should be applied for any revisions after the publication of this Standard.

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
60079	Explosive atmospheres	60079	Explosive atmospheres
60079-0	Part 0: Equipment—General requirements	60079.0	Part 0: Equipment—General requirements
60079-10-1	Part 10-1: Classification of areas—Explosive gas atmospheres	60079.10.1	Part 10.1: Classification of areas—Explosive gas atmospheres (IEC 60079-10-1, Ed.1.0 (2008) MOD)
60079-10-2	Part 10-2: Classification of areas—Combustible dust atmospheres	60079.10.2	Part 10.2: Classification of areas—Combustible dust atmospheres
60079-17	Part 17: Electrical installations inspection and maintenance	60079.17	Part 17: Electrical installations inspection and maintenance (IEC 60079-17, Ed.4.0 (2007) MOD)
60079-29-1	Part 29-1: Gas detectors—Performance requirements of detectors for flammable gases	60079.29.1	Part 29.1: Gas detectors—Performance requirements of detectors for flammable gases
60079-29-4	Part 29-4: Gas detectors—Performance requirements of open path detectors for flammable gases	60079.29.4	Part 29.4: Gas detectors—Performance requirements of open path detectors for flammable gases

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

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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