

Certificate of Conformity

Ex COMPONENT

Certificate No.:	ANZEx 09.3003U-2	Current Issue:	2	Date of Issue:	2021-06-28
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Applicant: Control Equipment Pty Ltd
Unit 1, 3 Deakin Street,
Brendale, QLD 4500
Australia

Component: Combustible Gas Sensor R61-0203-02RK

Type of Explosion Protection: Special protection "sa"

Explosion Protection Marking: Ex sa IIC T5 Ga

*This certificate is granted subject to the requirements as set out in
Joint Accreditation System of Australia and New Zealand Publications
ANZEx System Rules 2020 & ANZEx Certified Equipment Scheme Rules 2021*

Signed for and on behalf of issuing body



Name & Position

Ujen Singh - Quality & Certification Manager

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

TestSafe Australia
919 Londonderry Road, Londonderry NSW 2753 Australia

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Manufacturer : RIKEN KEIKI Co., Ltd
2-7-6 Azusawa, Itabashi-ku, Tokyo, 174-8744
Japan

**Additional
Manufacturing
Location(s):** RIKEN KEIKI Co., Ltd.
2-3, Minamisakae-cho, Kasukabe-shi, Saitama, 344-0057
Japan

RIKEN KEIKI NARA MFG. Co., Ltd.
49-1, Abe, Sakurai-shi, Nara, 633-0054
Japan

STANDARDS:

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

AS/NZS 60079.0:2008 Explosive atmospheres – Part 0: Equipment – General requirements

AS/NZS 1826:2008 Electrical equipment for explosive gas atmospheres – Special protection – Type of protection 's'

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

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Schedule

Component Description:

The Riken Keiki combustible gas sensor R61-0203-02RK consists of a gas sensor head, flame arrestor, and wiring for external connection. The sensor head consists of a filament heater coil with a detector element, enclosed by the flame arrestor of Teflon coated sintered 316 stainless steel. The flame arrestor has a filter porosity of 120 μm , and a filter density of 4.85 or 4.5 g/cm^3 .

The sensor head is fitted inside a sensor shell of 316 stainless steel tube. This tube is threaded (1/2" pipe thread), enabling attachment to an approved flameproof enclosure. Cement bonds the sensor head inside the sensor shell and provide a cemented joint for the three connecting wires.

Electrical Ratings/Parameters

The maximum power to the sensor head shall be limited to less than 1 W.

Schedule of Limitations:

1. The sensor head shall only be installed on the wall of an appropriately certified flameproof enclosure, such that the connecting wires are within the enclosure.
2. The maximum power to the sensor head shall be limited to less than 1 W.

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Register of Issues and Variations

includes the current issue

Issue 0 dated 2009-04-28

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: 31144, TestSafe
 QAR No. & Issuing CB: GB/BAS/QAR07.0029/01, Baseefa
 File Reference: 2008/031828

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Pages / Sheets	Document/Drawing Title	Revision	Date
M3-4062-63-01E	1	HW-6263 CH4 Sensor	-	2002-08-28
R61-0203-02RK	1	Combustible Sensor Identification Tag	0	2009-04-06

Issue 1 dated 2020-09-18

Variations Permitted by this Issue

- Address of applicant was changed from: 58 Brookes Street, Bowen Hills, QLD 4006 to Unit 1 / 3 Deakin Street, Brendale, QLD 4500
- Change in auditing body from BASEEFA (GB/BAS/QAR07.0029) to DNV GL Presafe AS (NO/PRE/QAR19.0018)
- Added two new manufacturing locations:
 RIKEN KEIKI Co. Ltd
 2-3, Minamisakae-cho, Kasukabe-shi, Saitama, 344-0057 Japan, and
 RIKEN KEIKI NARA MFG. Co. Ltd
 49-1, Abe, Sakurai-shi, Nara, 633-0054 Japan

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: 31144, TestSafe Australia
 QAR No. & Issuing CB: NO/PRE/QAR19.0018/02, DNV GL Presafe AS
 File Reference: 2020/012706

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Pages / Sheets	Document/Drawing Title	Revision	Date
M3-4062-63-01E	1	HW-6263 CH4 Sensor	-	2002-08-28
R61-0203-02RK	1	Combustible Sensor Identification Tag	0	2009-04-06

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Issue 2 (current Issue)Variations Permitted by this Issue

- Added filter density of 4.5 g/cm³ sensor head in the certificate.
- Update component description to add filter density 4.5 g/cm³.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: 37412, TestSafe Australia
QAR No. & Issuing CB: NO/PRE/QAR19.0018/03, DNV Product Assurance AS
File Reference: 2021/004846

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Pages / Sheets	Document/Drawing Title	Revision	Date
M3-4062-63-01E	1	HW-6263/R61-0203-02RK CH4 Sensor	-	2021-04-28
M4-4062-63-01K	1	HW-6263/R61-0203-02RK Label	-	2021-04-20