



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX DEK 11.0040X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2022-10-28)
Date of Issue:	2024-04-26		Issue 4 (2020-07-07)
Applicant:	RIKEN KEIKI Co., Ltd. 2-7-6, Azusawa, Itabashi-ku, Tokyo, 174-8744, Japan		Issue 3 (2019-09-06)
Equipment:	Gas Detector, Type SD-2500, SD-2600 and GD-A2400		Issue 2 (2017-04-25)
Optional accessory:			Issue 1 (2015-04-21)
Type of Protection:	Ex db		Issue 0 (2011-05-26)
Marking:	Ex db IIC T3 Gb (SD-2500 and GD-A2400) or Ex db IIC T2 Gb (SD-2600)		

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-04-26

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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

Manufacturing
locations: **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

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

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

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/KEM/ExTR10.0037/05](#)

Quality Assessment Reports:

[NL/DEK/QAR23.0010/00](#)

[NL/DEK/QAR23.0011/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Gas Detectors, Type SD-2500 and SD-2600 are fixed mount continuous monitoring detectors and provide a 4 to 20 mA output signal. Gas Detector, Type GD-A2400 is a fixed mount continuous monitoring detector head.

The examination of the gas detector does not include a judgement of the functional performance of the apparatus.

Ambient temperature range: -20 °C to +60 °C

Process temperature: -20 °C to +160 °C for SD-2500 and GD-A2400
-20 °C to +200 °C for SD-2600

Electrical data

Supply: 24 Vdc, 95 mA for SD-2500 and SD-2600
2.3 Vdc, 360 mA for GD-A2400

Contact output (Relay): max. 30 Vdc / 250 Vac, max. 0.5 A for SD-2500 and SD-2600

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The plastic window is submitted to tests corresponding to the low risk of mechanical danger.
- The property class of the cover bolts is at least A2-70.
- The flameproof joints are not intended to be repaired.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Minor change on the label drawings and instructions.
2. Linked to new QARs.
3. Manufacturing location Ebina Denki is no longer listed.