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 SGS 25.0049X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2026-09-24

Applicant: **GasTech Australia Pty Ltd**
24 Baretta Road
Wangara
WA 6065
Australia

Equipment: **B-GUARD2 / S-GUARD2 Gas Detector**

Optional accessory:

Type of Protection: **Flameproof**

Marking: **Ex db IIC T4 Gb -40°C ≤ Ta ≤ +70°C (EC & MPS version)**
Ex db IIC T4 Gb -40°C ≤ Ta ≤ +55°C (CAT version)
Ex db IIC T4 Gb -40°C ≤ Ta ≤ +60°C (NDIR version)

Approved for issue on behalf of the IECEx Certification Body: **D Brearley**

Position: **Lead Certification Engineer**

Signature: (for printed version)

Date: (for printed version) 24/09/2026

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:

SGS United Kingdom Ltd
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom

IECEx Certificate of Conformity

Manufacturer: **GasTech Australia Pty Ltd**
24 Baretta Road
Wangara
WA 6065
Australia

Manufacturing locations: **GasTech Australia Pty Ltd**
24 Baretta Road
Wangara
WA 6065
Australia

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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:

GB/SGS/ExTR25.0181/00

Quality Assessment Report:

AU/TSA/QAR07.0005/12

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The type B-Guard2 (Blind) and S-Guard2 (with integrated display) G-Pod Flameproof Gas Detector is rated at 9Vdc to 32Vdc, 24Vdc nominal and comprises a stainless steel cylindrical enclosure with a sintered disc at one end and a potted cable connector at the opposite end for connection to Instrument Enclosures certified IECEx SIR 08.0126U. An optional Splash Guard Assembly can be fitted to suit the application. The Flameproof Gas Detector can be fitted with either a Catalytic Sensor certified to IECEx EPS 17.0058U, a NDIR Sensor certified to IECEx CES 12.0008U or non-certified EC or MPS sensors.

See Annex for further information

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The flamepaths are not to be repaired
2. Potential electrostatic charging hazard may be present – Clean with a damp cloth - See Installation and Maintenance instructions
3. Cable glands enabling cables to enter the Instrument Enclosure Housing shall be IECEx / ATEX certified as equipment. Any unused cable entries must be fitted with IECEx / ATEX certified stopping plugs. When installed the cable gland or stopping plug must maintain the marked IP rating of the enclosure.

Annex:

IECEx SGS 25.0049X Annex Issue 0_1.pdf

SGS UK Limited
Rockhead Business Park
Staden lane, Buxton, Derbyshire
SK17 9RZ
United Kingdom

Separately Certified Equipment/Components Included in Test Item Description:

Part Type	Manufacturer	Model/Type	Certificate No.	Ex Marking String	Standard(s) and date(s)/edition(s)
Instrument Enclosures & Junction Boxes	International Metal Engineering Pte Ltd	8100 Series	IECEx SIR 08.0126U	Ex db IIC Gb Ta = -40°C to +85°C	IEC 60079-0: 2011 Edition 6.0 IEC 60079-1: 2014-06 Edition 7.0
Gas Detection Sensor	Korea New Ceramics Co. Ltd	KGS 7**, KGS 8**, KGS 9**, KGS 5**	IECEx EPS 17.0058U	Ex da IIC Ga Ex db IIC Gb -40°C≤Tamb≤+55°C	IEC 60079-0: 2017 Edition 7.0 IEC 60079-1: 2014 Edition 7.0
Gas Sensors	N.E.T. S.r.l	IRNEX IRPEX	IECEx CES 12.0008U	Ex db IIC Gb Ta = -40°C to +60°C	IEC 60079-0: 2017 Edition 7.0 IEC 60079-1: 2014-06 Edition 7.0