



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 BVS 22.0036X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-10-10

Applicant: **WIK A Alexander Wiegand SE Co. KG**
Alexander-Wiegand-Straße 30
63911 Klingenberg
Germany

Equipment: **Pressure gauge PGU23.1a0-bcd, PGU26.1a0-bcd and temperature gauge TGU73.1a0-bcd**

Optional accessory:

Type of Protection: **Intrinsic Safety "i"**

Marking: **Ex ia IIC T4 Ga**
Ex ia IIC T4 Gb

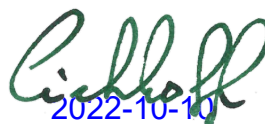
Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

**Senior Lead Auditor, Certification Manager and officially
recognised expert**

Signature:
(for printed version)


2022-10-10

Date:
(for printed version)

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 Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Date of issue: 2022-10-10

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Manufacturer: **WIKA Alexander Wiegand SE Co. KG**
Alexander-Wiegand-Straße 30
63911 Klingenberg
Germany

Manufacturing locations: **WIKA Alexander Wiegand SE Co. KG**
Alexander-Wiegand-Straße 30
63911 Klingenberg
Germany

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

[DE/BVS/ExTR22.0034/00](#)

Quality Assessment Report:

[DE/BVS/QAR07.0010/18](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

General product information:

The gauges are intended for use with an intrinsically safe battery-powered device of ignition protection type "ia", e.g. a radio module, and are supplied with one intrinsically safe supply/signal circuit.

Type Code

See Annex

Parameters

1. Electrical parameters				
Max. input voltage	U_i	DC	7	V
Max. input current for gas atmosphere	I_i		250	mA
Max. input power	P_i		330	mW
Effective internal capacitance	C_i		4.75	μF
Effective internal inductance	L_i			negligible
2. Temperature range				
Ambient temperature range			$-40\text{ }^{\circ}\text{C} \leq T_{\text{AMBIENT}} \leq +60\text{ }^{\circ}\text{C}$	
Media temperature range			$-40\text{ }^{\circ}\text{C} \leq T_{\text{MEDIA}} \leq +100\text{ }^{\circ}\text{C}$	

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Due to separation requirements of IEC 60079-11 the IS-circuit and the enclosure shall be considered as being galvanically connected. The functional separation is ensured. The gauge shall be included in the equipotential bonding / grounding of the application via process connection.
- Intensive charging processes shall be avoided for use of the gauge in areas requiring EPL Ga equipment.

Annex:

[BVS_22_0036X_wika_Annex.pdf](#)



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Annex
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Type Code

Pressure gauge
PGU23.1a0-bcd
PGU26.1a0-bcd

Temperature gauge
TGU73.1a0-bcd

- a Nominal size
0 = 100 mm
6 = 160 mm
- b gauges with explosion protection
A, I, M, U, V
- c Type of ignition protection
I = intrinsic safety
- d Zone
A = Zone 0 Gas [II 1G Ex ia IIC T4 Ga]
B = Zone 1 Gas [II 2G Ex ia IIC T4 Gb]