# 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 10.0103**

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Certificate history:
Issue 2 (2018-11-11)
Issue 1 (2016-11-24)
Issue 0 (2011-01-17)

Status: **Current**

Issue No: 3

Date of Issue: 2023-12-04

Applicant: **WIKA Alexander Wiegand SE & Co. KG**
Alexander-Wiegand-Strasse 30
63911 Klingenberg
**Germany**

Equipment: **Field Indicator type DIH**-F and Field Transmitter type TIF**-F**

Optional accessory:

Type of Protection: **Flameproof Enclosures "d"**

Marking: Ex db IIC T6/T5/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)

Date:
(for printed version) 2023-12-04

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**

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Certificate No.: **IECEx BVS 10.0103** 

Date of issue: 2023-12-04 Issue No: 3

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

Manufacturing locations:

**WIKA Instrumentation (Suzhou) Co., Ltd.**
81. Ta Yuan Road
SND Suzhou
215011
**China**

**WIKA Instruments India Pvt. Ltd.**
Plot No. 40, GAT No. 94+ 100
High Cliff Industrial Estate Village – Kesnand Wagholi
Pune 412207
**India**

**WIKA Instrument, LP , DBA Gayesco-WIKA USA**
229 Beltway Green Boulevard
Pasadena, TX 77503-1300
**United States of America**

**See following pages for more locations**

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 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2014 Edition:7.0 — Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

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/ExTR11.0003/02

Quality Assessment Reports:

DE/BVS/QAR07.0010/18 GB/ITS/QAR10.0004/08 NO/PRE/QAR16.0013/02

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

**Subject and type**

Field indicator type DIH50-F and DIH52-F
Field transmitter type TIF11-F, TIF50-F and TIF52-F

**Description**

The field indicators- and field transmitters enclosure is made out of stainless steel or aluminium and is designed in type of protection Flameproof Enclosure. The empty enclosure has been separately tested and certified see IECEx TUN 18.0010U. The lid of the DIH-enclosure could optionally be fitted with a glass window. There is a maximum of three threaded cable gland entries into the enclosure. Two located on the side and one either on the back or the bottom of the enclosure.

**Parameters:**

$U_{max}$ = 30 V DC, $P_{max}$ = 2 W

Thermal:

DIH**-F Temperatures:
T4 (-60 °C) -40 °C up to 85 °C
T5 (-60 °C) -40 °C up to 75 °C
T6 (-60 °C) -40 °C up to 60 °C

TIF**-F Temperatures:

T4 (-60 °C) -40 °C up to 85 °C
T5 (-60 °C) -40 °C up to 75 °C
T6 (-60 °C) -40 °C up to 60 °C

**SPECIFIC CONDITIONS OF USE: NO**

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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- Update of used standards
  - from IEC 60079-0:2011 to IEC 60079-0:2017
- Update of documentation
- New ambient temperature range for the special low temperature versions
- New stainless-steel marking plate for the special low temperature versions
- A certified empty enclosure is now used (see IECEx TUN 18.0010U)

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Additional manufacturing locations:

**WIKA Instruments Ltd.**
3103 Parsons Road
Edmonton Alberta T6N 1C8
**Canada**