



# 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](http://www.iecex.com)

Certificate No.: **IECEX DEK 15.0046X** Page 1 of 5 Certificate history:  
Status: **Current** Issue No: 3 [Issue 2 \(2024-12-02\)](#)  
Date of Issue: 2025-02-24 [Issue 1 \(2024-05-31\)](#)  
[Issue 0 \(2017-04-21\)](#)  
Applicant: **KOBOLD Messring GmbH**  
Nordring 22-24  
65719 Hofheim /Ts.  
Germany  
Equipment: **Oval Gear Flowmeters, type DON-\* \*\*\* \*\* \*E\* \***  
Optional accessory:  
Type of Protection: **Ex db**  
Marking: Ex db IIC T6...T4 Gb Enclosure of aluminium or stainless steel  
Ex db I Mb Enclosure of stainless steel

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)

2025-02-24

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](http://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: **KOBOLD Messring GmbH**  
Nordring 22-24  
65719 Hofheim /Ts.  
**Germany**

Manufacturing  
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](#) 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/DEK/ExTR17.0002/03](#)

Quality Assessment Report:

[DE/BVS/QAR09.0001/14](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The oval gear flowmeter Type DON-\* \*\*\* \*\* \*E\* \* are positive displacement flowmeters where the passage of liquid causes two oval gears to rotate within a measuring chamber and with each rotation a fixed volume of liquid passes through the meter. Magnets embedded within the gears initiate a pulse train output. The pulse output can be wired directly to process control and monitoring equipment or can be used as an input to instruments supplied with or fitted directly onto the meter.

The flowmeters can be made from aluminium or stainless steel for Group II and are only stainless steel for Group I.

Ambient and process temperature range:

Marking	Ambient temperature	Process temperature
Ex db IIC T6 Gb	-20 °C to +70 °C	-20 °C to +70 °C
Ex db IIC T4 Gb	-20 °C to +80 °C	-20 °C to +120 °C
Ex db I Mb	-20 °C to +80 °C	-20 °C to +140 °C

**Electrical data:** Umax = 28 Vdc, Imax = 100 mA.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- Contact the manufacturer for information on the dimensions of the flameproof joints.
- Ambient temperature ranges shown in the certificate applies.
- The screws used to assemble the cover to the Ex d housing shall be class A2-70 or better.



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

Introduction of high viscosity variants.



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**Additional information:**  
See Annex

**Annex:**

[229551700-Annex 1.pdf](#)