



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx DEK 11.0090X issue No.:1

Status: Current

Certificate history:

Issue No. 1 (2013-9-11)

Issue No. 0 (2012-5-21)

Date of Issue: 2013-09-11

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Applicant: **ADOS GmbH**  
Trierer Strasse 23-25  
D-52078  
Aachen  
Germany

Electrical Apparatus: **Gastransmitter GTR 210 Ex**  
Optional accessory:

Type of Protection: **Ex d e ia mb**

Marking: **Ex d e ia mb IIC T4 Gb**

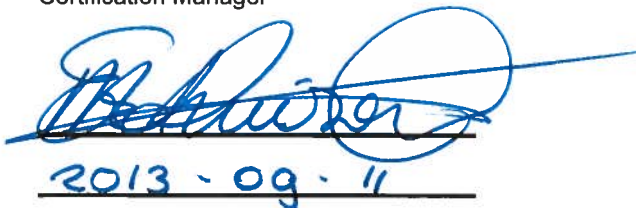
Approved for issue on behalf of the IECEx  
Certification Body:

M. Erdhuizen

Position:

Certification Manager

Signature:  
(for printed version)

  
2013 - 09 - 11

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051,  
6825 MJ Arnhem  
The Netherlands





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Manufacturer: **ADOS GmbH**  
Trierer Strasse 23-25  
D-52078  
Aachen  
Germany

Additional Manufacturing location  
(s):

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 electrical apparatus 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:

|  |   |
|--|---|
| <b>IEC 60079-0 : 2011</b><br>Edition: 6.0  | Explosive atmospheres - Part 0: General requirements                              |
| <b>IEC 60079-1 : 2007-04</b><br>Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| <b>IEC 60079-11 : 2011</b><br>Edition: 6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"     |
| <b>IEC 60079-18 : 2009</b><br>Edition: 3   | Explosive atmospheres Part 18: Equipment protection by encapsulation "m"          |
| <b>IEC 60079-7 : 2006-07</b><br>Edition: 4 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e"      |

*This Certificate **does not** indicate compliance with electrical 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/ExTR11.0106/01

NL/DEK/ExTR11.0106/02

### Quality Assessment Report:

DE/TUR/QAR11.0007/01



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description

The gas transmitter Type GTR 210 Ex is used for measuring combustible gases and vapours in air and under atmospheric conditions. The measurement values and status of the gas transmitter can be read on the display. A sensor head in type of protection flameproof enclosure "d" is incorporated in the measuring instrument housing in types of protection encapsulation "mb, increased safety "e" and intrinsic safety "ia". The sensor head incorporates a breathing device of sintered metal. The transmitter enclosure provides a degree of protection IP 66 as per IEC 60529. Ambient temperature range -25 °C to +60 °C.

#### Electrical data

Power supply: 24 VDC, 200 mA,  
Output signal : 4 - 20 mA,  
Sensor : 9,7 W max.

### CONDITIONS OF CERTIFICATION: YES as shown below:

Maximum allowed prospective short circuit current of the supply: 1500 A



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- Increase of upper ambient temperature
- Addition of Ingress protection IP 66