



# 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 PTB 07.0016** issue No.:1

Status: **Current**

Certificate history:

Issue No. 1 (2013-10-31)

Issue No. 0 (2007-3-13)

Date of Issue: **2013-10-31**

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Applicant: **Dräger Safety AG & Co. KGaA**  
Revalstraße 1  
23560 Lübeck  
Germany  
**Germany**

Electrical Apparatus: **Gas Detection Transmitter Type IDS 010x and 011x**  
Optional accessory:

Type of Protection: **Protection by enclosures "tb"**

Marking: **Ex tb IIIC T80 °C, T130 °C Db**

Approved for issue on behalf of the IECEx  
Certification Body:

Uwe Völkel

Position:

Section "Flameproof Enclosure"

Signature:  
(for printed version)

Date:

2013/10/31

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.

Certificate issued by:

**Physikalisch-Technische Bundesanstalt (PTB)**  
Bundesallee 100  
38116 Braunschweig  
Germany





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Manufacturer: **Dräger Safety AG & Co. KGaA**  
Revalstraße 1  
23560 Lübeck  
Germany  
**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:

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

**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

*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:  
DE/PTB/ExTR07.0021/01

Quality Assessment Report:

DE/BVS/QAR06.0001/08



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## Schedule

### EQUIPMENT:

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

#### Description of equipment

The Gas Detection Transmitter Type IDS 010x and IDS 011x consists of an enclosure out of stainless steel in the type of protection "tD" with a window and a mirror. The type IDS 010x has a 3/4 " NPT threaded nipple and the type IDS 011x has a M25 threaded nipple, both to be connected to a termination compartment.

#### Nomenclature

IDS 01	0	x
	1	
1	2	3

1: Basic name of the type

2: Thread of connection nipple (0 = 3/4" NPT, 1 = M25)

3: Measurement wavelength

### CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.



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## EQUIPMENT(continued):

### Technical data

Rated voltage	up to. 30 V
Rated current	max 1 A
Rated wattage	max. 9 W
Rated cross section	max. 2,5 mm <sup>2</sup>
Ambient temperature	-40 °C up to +40 °C resp. + 80 °C
Protection against dust and water	IP 6X according to IEC 60529



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

- 1) New test according to IEC 60079-0:2011 (Ed. 6), IEC 60079-31:2008 (Ed. 1).
- 2) New marking.