



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

Certificate No.: IECEx FMG 17.0032X

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-10-26\)](#)

Status: **Current**

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Date of Issue: **2017-10-26**

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

Equipment: **Open Path Gas Detector, type OTR 00****

Optional accessory:

Type of Protection: **Performance evaluation only**

Marking:
IEC60079-29-4

*Approved for issue on behalf of the IECEx
Certification Body:*

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

*Signature:
(for printed version)*

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](#).

Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Manufacturer: **Dräger Safety UK Ltd.**
Drakes Court, Eagle Road
Plymouth, Devon PL7 5JY
United Kingdom

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 60079-29-4 : 2009 Explosive atmospheres - Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases
Edition: 1.0

*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:

[US/FMG/ExTR17.0031/00](#)

Quality Assessment Report:

[DE/BVS/QAR06.0001/12](#)

[GB/ITS/QAR10.0014/03](#)

[GB/SIR/QAR06.0034/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Open Path Gas Detector, type OTR 00** comprising two devices (transmitter and receiver module) operating over a distance of 1-8 meters, 4-60 meters, 30-120 meters and 100-200 meters depending on the model selected, with configurable upper range value between 4 to 8 LEL•m. The OTR 00** is performance approved for unclassified indoor/outdoor locations only. The operating temperature range is -40°C to +60°C (tested at -55°C to +65°C), 18-32Vdc.

The equipment contains control, measurement and monitoring electronic.

OTR 00**

1 2 3 4

1: 0

2: 0

3: Type of Construction

- 0 = Transmitter very short range
- 1 = Transmitter short range
- 2 = Transmitter long range
- 3 = Receiver very short, Methane & Propane
- 5 = Receiver short range, Methane & Propane
- 7 = Receiver long range, Methane & Propane

4: Interface + Approval

- 0 = No interface, ATEX & IECEx
- 1 = 4 – 20 mA, ATEX & IECEx

SPECIFIC CONDITIONS OF USE: YES as shown below:

The communications link between Rx and Tx must be active at all times.