

CERTIFICATE OF CONFORMITY



1. **UNCLASSIFIED LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM17US0305X
3. **Equipment:** Open Path gas detector
(Type Reference and Name) OTR 00**
4. **Name of Listing Company:** Dräger Safety AG & Co. KGaA
5. **Address of Listing Company:** Revalstrasse 1
23560 Lübeck
Germany
6. The examination and test results are recorded in confidential report number:

3051474 dated 26th October 2017
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 6325: 2007 (R2014), ANSI/ISA-12.13.04:2014, IEC 60079-29-4:2009
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**
-40°C to +60°C, 18-32Vdc
11. The marking of the equipment shall include:

IEC60079-29-4

Certificate issued by:

J. E. Marquedant
VP, Manager, Electrical Systems

26 October 2017

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM17US0305X

12. Description of Equipment:

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 $\frac{00}{1234}$ **

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 |

13. Specific Conditions of Use:

1. In order to maintain approval, the communications link must be active at all times.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM17US0305X

Details of the supplements to this certificate are described below:

| Date | Description |
|-------------------------------|-----------------|
| 26 th October 2017 | Original Issue. |

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmaprovals.com www.fmaprovals.com