



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 KIWA 19.0020X Issue No: 0 Certificate history:
Issue No. 0 (2019-09-11)

Status: Current Page 1 of 3

Date of Issue: 2019-09-11

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

Equipment: Gas Detector Series ETR 06** and Repeater Series ICU 01**
Optional accessory:

Type of Protection: Ex ia

Marking: Ex ia I Ma
Ex ia IIC T4 Ga
Ex ia IIIC T135°C Da

Approved for issue on behalf of the IECEx
Certification Body:

Harry de Wild

Position:

Certification Officer

Signature:
(for printed version)

Date:

11 September 2019

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:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
The Netherlands





IECEX Certificate of Conformity

Certificate No: IECEX KIWA 19.0020X Issue No: 0
Date of Issue: 2019-09-11 Page 2 of 3
Manufacturer: **Dräger Safety AG & Co. KGaA**
Revalstraße 1
23560 Lübeck
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 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 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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:

[NL/KIWA/ExTR19.0023/00](#)

Quality Assessment Report:

[DE/BVS/QAR06.0001/14](#)



IECEX Certificate of Conformity

Certificate No: IECEX KIWA 19.0020X

Issue No: 0

Date of Issue: 2019-09-11

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The gas detector series ETR 06** is a stationary gas detector for gas monitoring of toxic gases and oxygen. The device converts the measured gas concentration into an electrical signal for connection to a monitoring system or a programmable logic controller via an ISA100 wireless network.

Without the measuring head gas detector series ETR 06** can also be used as a repeater series ICU 01**.

The antenna can optionally be mounted on top of the detector or remotely.

Ambient temperature range: -40 °C to +65 °C.

The examination of the gas detector series ETR 06** does not include a judgement of the functional performance of the apparatus.

Electrical Data

Supply:

Battery box type LBT 03**, incorporating a battery pack type LBT 05**

or

Input circuit (terminals +/-):

in type of protection intrinsic safety Ex ia I, IIC or IIIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$, $I_i = \text{irrelevant}$, $P_i = 1.2 \text{ W}$, $C_i = 20 \text{ nF}$, $L_i = 0 \text{ }\mu\text{H}$.

SPECIFIC CONDITIONS OF USE: YES as shown below:

When used as EPL Ga equipment, the antenna of the gas detector or repeater shall be installed and maintained such that hazards caused by electrostatic discharge are excluded.

When used as EPL Da equipment, the gas detector or repeater shall be installed and maintained such that hazards caused by electrostatic discharge are excluded.

When replacing the battery, use only the Battery box type LBT 03**.