



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx EUT 20.0017X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-11-09

Applicant: **Recom Industriale S.r.l.**  
Via Pietro Chiesa, 25-27 r.  
Genova (GE) I-16149  
**Italy**

Equipment: **Gas Sensors & Transmitters Explorer Gas Point**

Optional accessory:

Type of Protection: **Equipment protection by flameproof enclosures "d"**

Marking: **Ex db IIC T4 Gb**  
**-20 °C ≤ Ta ≤ +50 °C**

Approved for issue on behalf of the IECEx  
Certification Body:

**Bucchieri Dionisio**

Position:

**Head of IECEx Certification Body**

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Eurofins Product Testing Italy S.r.l.**  
**Via Cuorgnè**  
**n.21 - 10156 Torino**  
**Italy**



Product Testing



# IECEx Certificate of Conformity

Certificate No.: **IECEx EUT 20.0017X**

Page 2 of 3

Date of issue: 2020-11-09

Issue No: 0

Manufacturer: **Recom Industriale S.r.l.**  
Via Pietro Chiesa, 25-27 r.  
Genova (GE) I-16149  
**Italy**

Additional  
manufacturing  
locations:

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 equipment 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 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

This Certificate **does not** indicate compliance with 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:

[IT/EUT/ExTR20.0017/00](#)

Quality Assessment Report:

[IT/EUT/QAR20.0002/00](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx EUT 20.0017X**

Page 3 of 3

Date of issue: 2020-11-09

Issue No: 0

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Gas sensors and transmitters type **Explorer Gas Point** are equipment designed to detect and transmit the concentration value of flammable or toxic gases in ambient air under atmospheric conditions.

They are composed of a gas detector unit and a flameproof enclosure (covered by separate certificate of component); the gas detector unit is screwed in the enclosure.

The detection unit is able to reveal the gas concentration by means of a breathing element of sintered metal, protecting the sensitive element.

The terminals for electric connections and electronic circuits are installed in the metallic flameproof enclosure.

The data transmission is obtained by means of current loop 4-20 mA or serial RS 485 communication protocol.

The different types of sensing elements and conversion circuits are detailed in the documents annexed to this certificate.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Flameproof joints shall not be repaired.

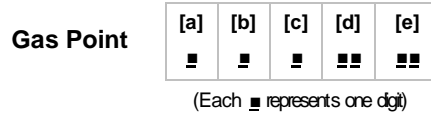
## **Annex:**

[EPT.20.REL.04\\_55954\\_0.pdf](#)

Annex to certificate: **IECEX EUT 20.0017 X Issue 0**

**Product variants**

The characteristics of Explorer Gas Sensor **Gas Point** are codified according to the following schema:



[a]	<b>Gas sensor series:</b>	1	: Explorer
[b]	<b>Sensitive element type:</b>	2	: ATEX sensor (only for Ex applications)
[c]	<b>Flameproof enclosure type</b> (electronic board flameproof case):	2	: Limatherm® XD-Iwin flameproof enclosure with window
		3	: Limatherm® XD-I flameproof blind enclosure
[d]	<b>Electronic board configuration type:</b>	03	: Gas Point PCB
[e]	<b>Identification of the sensitive element:</b>	01	: LEL VQ1
		02	: LEL VQ21
		03	: VQ6
		04	: O <sub>2</sub>
		05	: CO
		06	: H <sub>2</sub> S
		07	: H <sub>2</sub>
		08	: ETO
		13	: PH <sub>3</sub>
		16	: HCl
		18	: HCN
		20	: THT
21	: HCOOH		
22	: KE-25		

**Rated characteristics:**

- Supply voltage up to : 24 V<sub>dc</sub>;
- Supply current up to : 425 mA (for instrument supply)
- Maximum dissipated power: 10.2 W

**Warning label**

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

**Routine tests**

None.