



# 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 INE 19.0017X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: **2019-11-08**

Applicant: **GAZOMAT**  
11, rue de l'Industrie  
F-67400 Illkirch Graffenstaden  
France

Equipment: **Gas Detector type Inspectra Laser**

Optional accessory:

Type of Protection: **ib**

Marking: **Ex ib op is IIB T3 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

Thierry HOUEIX

Ex Certification Officer

Position:

Signature:  
(for printed version)



*Thierry Houeix*

Digitally signed by  
Thierry HOUEIX

Date:

2019-11-08

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

**INERIS**  
Institut National de l'Environnement Industriel et des Risques  
BP n2 / Parc Technologique ALATA  
F-60550 Verneuil-en-Halatte  
France



controlling risks  
for sustainable development



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Manufacturer: **GAZOMAT**  
11, rue de l'Industrie  
F-67400 Illkirch Graffenstaden  
France

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 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-28:2015** Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation  
Edition:2

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:

[FR/INE/ExTR19.0031/00](#)

Quality Assessment Report:

[GB/ITS/QAR14.0023/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The apparatus type Inspectra laser allows detection and measures of gas leakage in industrial gas network from industrial fields and chemical industry.

Protected by intrinsic safety, gas detection or leak is performed by a laser module.

The apparatus is composed of a plastic enclosure provided printed circuits boards on which are implemented electronic components.

Power supply of the apparatus is performed by a whole of three batterie elements connected in series.

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

- The equipment is intended to be used in an ambient temperature range from -15°C to +50°C.
- Charging batteries pack and usage of communication port (BINDER) shall be perform outside hazardous area.

The other conditions of use are stipulated in the instructions.

## **Annex:**

[IECEx INE 19.0017X-00\\_Annex.pdf](#)



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Annex: IECEx INE 19.0017X-00\_Annex.pdf

## PARAMETERS RELATING TO THE SAFETY

Supply voltage to charging terminals:  $U_m = 250\text{ V}$

Supply voltage to communication port (BINDER):  $U_m = 250\text{ V}$

## Batteries characteristics:

|                            |             |             |              |
|----------------------------|-------------|-------------|--------------|
| <b>Manufacturer</b>        | ARTS Energy | ARTS Energy | GP Batteries |
| <b>Model</b>               | VNT-D(H) U  | VHT-D(L)    | GP1000DH     |
| <b>Type</b>                | Ni-Cd       | Ni-Mh       | Ni-Mh        |
| <b>Capacity</b>            | 4.25 Ah     | 6.45 Ah     | 10 Ah        |
| <b>Size</b>                | LR20 - D    | LR20 - D    | LR20 - D     |
| <b>Voltage per element</b> | 1.55 V      | 1.60 V      | 1.60 V       |

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

- GAZOMAT
- 11, rue de l'Industrie
- F-67400 Illkirch Graffenstaden
- Inspectra Laser
- IECEx INE 19.0017X
- (Serial number)
- Ex ib op is IIB T3 Gb
- **WARNING:**
  - DO NOT REPLACE OR CHARGE BATTERIES PACK IN HAZARDOUS AREA.

## ROUTINE EXAMINATIONS AND TESTS

None.