



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

Certificate No.: **IECEx PRE 20.0091** Page 1 of 3 [Certificate history](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-09-25

Applicant: **GEFRAN S.p.A.**
Via Sebina, 74
I-25050 Provaglio d'Iseo (BS)
Italy

Equipment: **Pressure transmitters HART series HMX, HWX, HIX**

Optional accessory:

Type of Protection: **Ex ia**

Marking: Ex ia IIC T6, T5 or T4 Ga
-20°C to +60°C (T6), +75°C (T5) , +85°C (T4)

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

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 or use of this QR Code.



Certificate issued by:

DNV GL Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Page 2 of 3

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Manufacturer: **GEFRAN S.p.A.**
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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

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 Reports:

[IT/EUT/EXTR20.0020/00](#) [NO/PRE/ExTR20.0081/00](#)

Quality Assessment Report:

[IT/CES/QAR20.0001/00](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The HART transmitters HMX, HWX, HIX series are available as Melt pressure transmitters; they are identified as follows:

- Oil-filled series HWX
- Mercury-filled series HMX
- Fluid free IMPACT series HIX

Type Identification:

Melt pressure transmitters HMX0 – HMX1 – HMX2 – HMX3 – HMX4

Melt pressure transmitters HIX0 – HIX1 – HIX2

These equipment are suitable to measure the pressure in different industrial applications, plastic processing and other industrial process control systems in hazardous area with the presence of potentially explosive gas atmosphere.

Identification of electrical apparatus:

- Ui : 30 V
- li : 100 mA
- Pi : 750 mW
- Ci : 10 nF
- Li : 17 μ H

The parameters of Ci and Li , include capacitance and inductance of connected cable (max length of 15 m).

The HART transmitter series HMX, HWX, HIX shall be supplied by associated apparatus having galvanic insulation, certified according to IEC 60079-0 and IEC 60079-11, marking [Ex ia Ga] IIC.

SPECIFIC CONDITIONS OF USE: NO