



No. 2021-077723-01-1

안전인증서

Certificate of Safety

GEFRAN S.p.A.

Via Sebina, 74, I-25050 Provaglio d'Iseo (BS), Italy

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 1 of Article 110 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Pressure Transmitter

Model (Marking) / Certificate No.

HMX*(Ex ia IIC T6/T5/T4 Ga) / 21-KA4BO-0668

Applied standards

Announcement No. 2021-22 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s): This certificate is valid only for the specified products produced at 'Via Sebina, 74, I-25050 Provaglio d'Iseo (BS), Italy'.

2. Description of equipment

- This equipment is melt pressure transmitters suitable to measure the pressure of process.
- Electrical parameters for intrinsic safety
 - $U_i = 30 \text{ V}$, $I_i = 100 \text{ mA}$, $P_i = 750 \text{ W}$, $C_i = 10 \text{ nF}$, $L_i = 17 \text{ }\mu\text{H}$
 - The parameters of C_i and L_i , include capacitance and inductance of connected cable (max length of 15 m).
- Ambient temperature: $-20 \text{ }^\circ\text{C} \leq T_a \leq +60 \text{ }^\circ\text{C}$ (T6), $+75 \text{ }^\circ\text{C}$ (T5), $+85 \text{ }^\circ\text{C}$ (T4)

3. Scope of certification : This certificate is valid only for the models as below.

- HMX0, HMX1, HMX2, HMX3, HMX4

4. Special conditions for safe use: None

5. Details of certificate change: None

6. Details of others

- Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.
- This certificate shall be used with the related IECEx certificate (IECEx PRE 20.0091 issue No.0).

Date of Issue: 2021-09-13

한국산업기술시험원
KOREA TESTING LABORATORY

