



제2017-069204-01호

안전인증서

Dynisco Instruments

38 Forge Parkway Franklin, MA 02038, USA

위 사업장에서 제조하는 아래의 품목이 「산업안전보건법」 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

압력트랜스미터(Pressure Transmitter)

형식·모델(용량·등급) / 인증번호

SPX series(Ex ia IIC T6 or T4) / 17-KA4BO-0716X

인증기준

고용노동부고시 제2016-54호

인증조건

1. 제조공장

·본 인증서는 '38 Forge Parkway Franklin, MA 02038, USA'에서 생산하는 제품에 한함.

2. 제품개요

- 공정에서 측정된 압력값을 전기적 신호로 변환해 주는 장비임.
- 본질안전을 위한 전기적 파라미터
 - $U = 30 \text{ V}$, $I_i = 100 \text{ mA}$, $P_i = 750 \text{ mW}$, $C_i \leq 4.5 \text{ nF}$, $L_i \leq 40 \mu\text{H}$
- 사용주위온도 및 공정온도

사용지역	온도등급	사용주위온도	공정온도
0종지역	T6	$-20 \text{ }^\circ\text{C} \leq T_a \leq +50 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +60 \text{ }^\circ\text{C}$
	T4	$-20 \text{ }^\circ\text{C} \leq T_a \leq +85 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +85 \text{ }^\circ\text{C}$
1종지역	T6	$-20 \text{ }^\circ\text{C} \leq T_a \leq +60 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +60 \text{ }^\circ\text{C}$
	T4	$-20 \text{ }^\circ\text{C} \leq T_a \leq +85 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +85 \text{ }^\circ\text{C}$

3. 인증범위: 본 인증서는 아래의 형식번호에 한하여 유효함.

·SPX-T, SPXGEN2

4. 안전한 사용을 위한 조건

·관련 IECEx 인증서(IECEx PTB 17.0038X issue No.0) 3페이지 specific condition of use 참조

5. 인증(변경)사항: 없음.

6. 그 밖의 사항

- 안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수
- 본 안전인증서는 반드시 관련 IECEx 인증서(IECEx PTB 17.0038X issue No.0)와 함께 사용

2017년 12월 04일

한국산업기술시험원장





No. 2017-069204-01

안전인증서

Certificate of Safety

Dynisco Instruments

38 Forge Parkway Franklin, MA 02038, USA

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 34 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 4 of Article 58-4 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Pressure Transmitter

Model(Marking) / Certificate No.

SPX series(Ex ia IIC T6/T4) / 17-KA4BO-0716X

Applied standards

Announcement No. 2016-54 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s): This certificate is valid only for the specified products produced at '38 Forge Parkway Franklin, MA 02038, USA'

2. Description of equipment

- The pressure transmitter is used to convert a mechanical quantity(pressure) into a proportional electrical quantity in the field of process control.
- Electrical parameter for intrinsic safety
 - $U_i = 30 \text{ V}$, $I_i = 100 \text{ mA}$, $P_i = 750 \text{ mW}$, $C_i \leq 4.5 \text{ nF}$, $L_i \leq 40 \mu\text{H}$
- Ambient temperature and process temperature

Zone	Temperature class	Ambient temperature	Process temperature
Zone 0	T6	$-20 \text{ }^\circ\text{C} \leq T_a \leq +50 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +60 \text{ }^\circ\text{C}$
	T4	$-20 \text{ }^\circ\text{C} \leq T_a \leq +85 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +85 \text{ }^\circ\text{C}$
Zone 1	T6	$-20 \text{ }^\circ\text{C} \leq T_a \leq +60 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +60 \text{ }^\circ\text{C}$
	T4	$-20 \text{ }^\circ\text{C} \leq T_a \leq +85 \text{ }^\circ\text{C}$	$-20 \text{ }^\circ\text{C} \sim +85 \text{ }^\circ\text{C}$

3. Scope of certification: This certificate is only valid for below model.

- SPX-T, SPXGEN2

4. Special conditions for safe use

- See special conditions for safe use on IECEx certificate(IECEx PTB 17.0038X issue No.0)

5. Details of certificate changes: None

6. Details of the 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 PTB 17.0038X issue No.0)

Date of Issue: 2017-12-04

한국산업기술시험원
KOREA TESTING LABORATORY

