

제25-0408호



# 안전인증서

Kulite Semiconductor Products, Inc.

1 Willow Tree Road Leonia New Jersey 07605 United States of America

위 사업장에서 제조하는 아래의 품목이 「산업안전보건법」 제84조 및 같은 법 시행규칙 제110조제1항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

## 품 목

A Range of Amplified and Passive Sensors

## 형식·모델 / 용량·등급 / 인증번호

형식·모델	용량·등급	인증번호
Type I(IPTE-1100 Series)	33 Vdc Ex ec IIC T4...T2 Gc	25-GA4BO-0408X

## 인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2021-22호)

## 인 증 조 건

Tamb : -60℃ ~+80℃/125℃/230℃, 뒷면참조

2025년 08월 26일

한국가스안전공사 사장





## 인 증 조 건

### 1. 제조공장

“1 Willow Tree Road Leonia New Jersey 07605 USA”에 위치한 Kulite Semiconductor Products, Inc.에서 생산한 제품 중 아래 인증범위의 제품에 한함.

### 2. 제품개요

The Kulite range of amplified and passive pressure sensors are essentially modular in construction. The sensing element is a silicon diaphragm that is housed within an oil filled capsule. The amplified transducers contain a hybrid circuit and may also contain a capacitor array and filters for EMC protection. The passive transducers contain just the sensing element and compensation resistors. All sensors can be configured to read either absolute, gauge or differential pressure. The pressure port type and electrical connection to the transducer can be specified by the user

Ex ec IIC T4 Gc (Ta = -60 °C to +80 °C)

Ex ec IIC T3 Gc (Ta = -60 °C to +125 °C)

Ex ec IIC T2 Gc (Ta = -60 °C to +230 °C)

### 3. 인증범위

품목 명 : A Range of Amplified and Passive Sensors,

모델 명 : Type I (IPTE-1100 Series)에 한하여 인증함

### 4. 안전한 사용을 위한 조건

1. For type ec, provision shall be made, either in the equipment or external to the equipment, to provide for the transient protection device to be set at a level not exceeding 119 V at the power supply terminals of the equipment. The transient protection shall limit transients up to a maximum input voltage of the equipment in normal operation.

2. For type ec, the connector used to make an electrical connection to the transducer shall have a minimum rating of IP54 (when used indoors) or IP66 rating (when used outdoors) and shall be manufactured from stainless steel and the pins insulated from the shell by glass to metal seals.

3. For type ec, the connectors shall not be connected or disconnected whilst the equipment is energised. Before connection, they shall be inspected to be free from contaminants (e.g. moisture and dust) that might impair the segregation between the pins.

4. For type ec, the equipment shall be adequately earthed.

### 5. 인증(변경)사항

### 6. 그 밖의 사항

가. 안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수

나. Routine Test :

- At the conclusion of manufacturer and before shipment, the equipment shall withstand for one minute, without breakdown, the application of the 500 Vac potential between the circuit and the enclosure. The maximum current flowing shall not exceed 5 mA.

다. 본 안전인증서는 반드시 관련 IECEx 인증서(IECEx CASE 22.0008X Issue No. 0)와 함께 사용할 것

