

EX CERTIFICATE – KGS

vibro-meter®

**KGS 24-GA4BO-0436X
for
IQS9xx signal conditioners**



Note: Although the Ex certificate may be included in more than one language, the liability of the notified body applies only on the text of the original copy of the certificate that it published.

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www.meggittsensing.com/energy

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제24-0436호



안전인증서

MEGGITT SA

Route de Moncor 4 1752 Villars-sur-Glane SWITZERLAND

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

품 목

IQS 9** Signal conditioner

형식·모델 / 용량·등급 / 인증번호

형식·모델	용량·등급	인증번호
204-9**-000-***	Max. 30 VDC, 22mA, 0.7W Ex ec IIC T6... T5 Gc	24-GA4BO-0436X

인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2021-22호)

인 증 조 건

-40 °C ≤ Tamb ≤ +85 °C, 뒷면참조

2024년 07월 08일

한국가스안전공사 사장



한국가스안전공사



인 증 조 건

1. 제조공장:

Route de Moncor 4, 1752 Villars-sur-Glane, Switzerland에 위치한 Meggitt S.A에서 생산한 제품 중 아래 인증 범위의 제품에 한함.

2. 제품개요

The IQS 9** signal conditioner contains a high-frequency modulator/demodulator that supplies the driving signal to the coil of the sensor. This generates an electromagnetic field in the sensor head, which then induces eddy currents into the metallic target. When the target moves, the eddy currents change, which causes a change in the electrical characteristics of the TQ 9** that the signal conditioner converts into a signal that is proportional to the distance to the target. The electronics of the conditioner is mounted in a metallic housing and it is totally embedded into a silicone casting compound. The signal conditioner has a coaxial connector for the connection to the proximity sensor. The output of the IQS 9** conditioner can be configured as a current (2-wire transmission mode) or a voltage signal (3-wire transmission mode). For test purposes, the IQS 9** includes a "raw" voltage output signal and a test input signal that allow the measurement chain/system operation to be tested in situ.

3. 인증범위 : 본 인증서는 아래의 형식번호에 한하여 유효함.

품목 명 : IQS 9** signal conditioner

모델 명 : 204-9**^(A)-000-**^(B)*(^(C))

^(A) conditioner type : 00=analog output, 10=4-20mA output, 11 to 99= other

^(B) customized version(special target material or mounting) 00 to 99

^(C) Minor modification number(FFF=From Fit Function) 0 to 9 (each modification increases the number by 1)

4. 안전한 사용을 위한 조건

1. Temperature class of the equipment depending on the ambient operating temperature range:

T6 : for $-40^{\circ}\text{C} \leq T_{amb} \leq +70^{\circ}\text{C}$

T5 : for $-40^{\circ}\text{C} \leq T_{amb} \leq +85^{\circ}\text{C}$

2. The IQS 9** signal conditioner shall be installed in a certified enclosure that provides a degree of protection of at least IP54 according to IEC 60079-0.

3. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1

4. Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the IQS 9** signal conditioner.

5. Connections shall not be connected or disconnected when energized.

6. The sensor head shall be protected against any risk of mechanical danger.

7. It is the user's responsibility to provide adequate earth continuity of the sensor body via the mounting arrangement.

8. The equipment shall be installed according to the instruction manual provided by the manufacturer

5. 인증(변경)사항

6. 그 밖의 사항

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

- IECEx LCIE 21.0005X issue No.1 와 함께 사용할 것.