

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 06ATEX0105X** Issue Number: **4**

(4) Product: **Industrial Insertion Mass Flow Meters Model 640S and In-Line Industrial Mass Flow Meters Model 780S**

(5) Manufacturer: **Sierra Instruments Inc.**

(6) Address: **20 Ryan Ranch Road, Suite 109, Monterey, CA 93940, USA**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report mentioned in item (16).

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018 + A11

EN 60079-1 : 2014 + A11

EN 60079-31 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex db IIB+H₂ T6...T2 Gb
II 2 D Ex tb IIIC T85 °C...T226 °C Db

Date of certification: 12 June 2026

DEKRA Certification B.V.

R. Schuller
Certification Manager



Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 06ATEX0105X** Issue No. 4

(15) **Description**

The Industrial Insertion Mass Flow Meters Model 640S and the In-Line Industrial Mass Flow Meters Model 780S are used to monitor the mass flow rate of gases.

The mass flow meter consists of a certified flameproof electronics housing with probe assembly. The maximum probe length mounted directly to the electronics housing is 13 inches (33 cm). If the probe length exceeds 13 inches to a maximum length of 36" (91 cm), the remote version must be used.

The electronics are located in a pre-certified enclosure;
manufacturer: Adelet/Scott Fetzer Co.
type: XDHX-XIHFCX-XIHDGCX
certificate: DEMKO 07ATEX0622294U Rev. 4
marking: Ex db IIB+H₂ Gb or Ex tb IIIC Db IP66

Pre-certified cable glands used for the remote version;
manufacturer: Peppers Cable Glands Limited
type: E3WFR/16/050 and E3WFR/16/075
certificate: CML 19ATEX1106X Issue 2
marking: Ex db IIC Gb or Ex ta IIIC Da

For type designation, thermal- and electrical data see Annex 1 to Report No. 209302600 Issue 5.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

209302600 Issue 5.

(17) **Specific conditions of use**

- Flameproof joints are not intended to be repaired.
- To minimize the risk of electrostatic charge, provisions shall be made for adequate grounding and equipment shall be installed in such a manner so that accidental discharge shall not occur.
- The cable glands are for fixed installations only. The user shall ensure adequate clamping of the cables.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in test report number mentioned in item (16).