



1. EU-TYPE EXAMINATION CERTIFICATE

2. Equipment and Protective systems intended for use in potentially explosive atmospheres:
Directive 2014/34/EU
3. EU-Type Examination Certificate Number: **KRH 23 ATEX 1008X**
4. Equipment or Protective system: **Gas Detector type SI-200E**
5. Manufacturer: **SENKO Co., Ltd.**
6. Address: **73, Oesammi-ro 15beon-gil, Osan-si, Gyeonggi-do, 18111, Korea**
7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. The KRH certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive 2014/34/EU of 26 February 2014.
The examination and test results are recorded in the confidential report listed in section 16.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-1:2014
10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified equipment or protective system in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturing process and supply of this equipment or protective systems. These are not covered by this certificate.
12. The marking of the equipment or protective system shall include the following:

 **II 2 G Ex db IIC T6 Gb**

This certificate is issued at Athens on 2023-05-26, under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.



Dr. Nikos Katiforis
Quality Manager of KR Hellas Ltd



13.

SCHEDULE

14. **EU-Type Examination Certificate KRH 23 ATEX 1008X**

15. **Description of equipment or protective system**

Gas Detector type SI-200E is designed for;

1) A Gas detector, SI-200E, is a fixed installation and diffusion type to prevent unfortunate accidents caused by gas explosions in hazardous places such as plants, gas storages, and factories. When installed in a hazardous area, the gas detector, SI-200E, will regularly and continuously detect the gas leakage and display the data with RS-485, FND, and supply (4-20) mA standard outputs.

Two conduit/cable entries: 3/4 NPT or M25 x P1.5

2) Electrical ratings

DC 24 V, 3.6 W

3) Marking

Warning Marking

WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

The equipment shall also bear the usual marking required by the manufacturing standards applying to such equipment.

16. **Descriptive documents**

Report No.: KRH-ATEX-0002-2023

17. **Specific Conditions of Use**

1) Ambient temperature range: -40 °C to +60 °C

2) For details on flameproof joints, the manufacturer shall be contacted.

18. **Essential Health and Safety Requirements**

Covered by the standards listed at 9.

19. **Routine Verifications and Tests**

No routine tests are required.



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Certificate No:
KRH 23 ATEX 1008X
Issue Number: 0
Date of initial issue: 2023-05-26
Date of reissue:
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20. **Drawings and Documents**

Number	Issue	Date	Description
1842SI-200B1000-D200	1	2022-06-14	TOTAL ASSY
1843SI-200B1001-D200	1	2022-06-14	ENCLOSURE ASSY
1844SI-200B1002-D200	1	2022-06-14	SENSOR MODULE ASSY
1845SI-200B1003-D200	1	2022-06-14	TOP CASE ASSY
1846SI-200B1004-D200	1	2022-06-14	BOTTOM CASE
1847SI-200B1005-D200	1	2022-06-14	TOP CASE
1848SI-200B1006-D200	1	2022-06-14	BRACKET PCB GUIDE
1849SI-200B1007-D200	1	2022-06-14	COVER FILTER
1850SI-200B1008-D200	1	2022-06-14	SENSOR GUIDE
1851SI-200B1009-D200	1	2022-06-14	GLASS
1852SI-200B1010-D200	1	2022-06-14	GLASS GUIDE
1853SI-200B1011-D200	1	2022-06-14	ORING AS-568_118
1854SI-200B1012-D200	1	2022-06-14	SENSOR HOLDER TOP
1855SI-200B1013-D200	1	2022-06-14	SENSOR HOLDER BOTTOM
1856SI-200B1014-D200	1	2022-06-14	ORING AS-568_157
1857SI-200B1015-D200	1	2022-06-14	SENSOR PCB GUIDE
1858SI-200B1016-D200	1	2022-06-14	SINTERED FILTER
1859SI-200B1017-D200	1	2022-06-14	WINDOW PAD
1860SI-200B1018-D200	2	2023-05-18	DRA_LABEL
1861SI-200B1019-D200	1	2022-06-14	TERMINAL BLOCK
1862SI-200B1020-D200	1	2022-06-14	MANUAL EN

21. **Details of Certificate changes**

Issue No.	Issue Date	Description
0	2023-05-26	Initial issue

End of Certificate

