

DECLARATION OF CONFORMITY


Document No.:	DOC-20240107-02
Issued Date:	January 7, 2025
Manufacturer:	SENKO
Address:	445, Doksanseong-ro, Osan-si, Gyeonggi-do, 18111, Republic of Korea
Equipment:	Portable Single Gas Detector: SP-SGT-P Series

SENKO confirms that the certifications listed below are valid for its products and processes. Each product is rigorously designed, manufactured, and tested to comply with these standards. This declaration of conformity is issued under the sole responsibility of the manufacturer, SENKO Co., Ltd.


1) IECEX

Conformity Standards: IEC 60079-0:2017
IEC 60079-11:2011
Marking: Intrinsic Safety "i"
Ex ia IIC T4 Ga


2) ATEX Directive 2014/34/EU – Explosive Atmospheres

Conformity Standards: EN IEC 60079-0:2018
EN 60079-11: 2012
Marking: 
II 1 G Ex ia IIC T4 Ga

3) INMETRO

Conformity Standards: ABNT NBR ISO IEC 60079-0:2020 – Explosive Atmospheres – General Requirements
ABNT NBR IEC 60079-11:2013 – Explosive Atmospheres – Equipment Protection by Intrinsic Safety "i"
ABNT NBR IEC 60079-26:2022 – Explosive Atmospheres – Equipment with Separation Elements or Combined Protection Levels
Marking: 
Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ +50°C (for CO, H₂, H₂S, NH₃, NO₂)
-30°C ≤ Ta ≤ +50°C (for O₂, SO₂)
-20°C ≤ Ta ≤ +40°C (for Cl₂)

4) CSA/UL

Conformity Standards: CAN/CSA-C22.2 No. 60079-0:19: Explosive Atmospheres – Part 0: General Requirements
CAN/CSA-C22.2 No. 60079-11:14: Explosive Atmospheres – Equipment Protection by Intrinsic Safety "i"
CAN/CSA-C22.2 No. 61010-1-12 + Amd 1:18: Safety Requirements for Electrical Equipment
ANSI/UL 60079-0-2019, Seventh Edition: Explosive Atmospheres – General Requirements
ANSI/UL 60079-11-2018, Sixth Edition: Equipment Protection by Intrinsic Safety "i"
Marking: 
Ex ia IIC T4 Ga

Class I, Division 1, Groups A, B, C, D, T4

Class I, Zone 0, AEx ia IIC T4 Ga

Temperature Rating:

-40°C ≤ Ta ≤ +50°C: CO, H₂, H₂S, NH₃, NO₂

-30°C ≤ Ta ≤ +50°C: O₂, SO₂

-20°C ≤ Ta ≤ +40°C: Cl₂

CSA Mark with "C" and "US" indicators

"READ MANUAL FOR SAFE USE"

"MISES EN GARDE: LISEZ LE MODE D'EMPLOI POUR L'UTILISATION SÛRE"

5) Electromagnetic Compatibility Directive EMC 2014/30/EU

Conformity Standards: EN 50270: 2015

EN 61000-6-4 : 2007 /A1: 2011

Marking:



6) RoHS Compliance: Directive 2011/65/EU and Directive(EU) 2015/863

Conformity Standards: IEC62321-1, IEC62321-2, IEC62321-3-1, IEC62321-4, IEC62321-5, IEC62321-6,

IEC62321-7-1, IEC62321-7-2, IEC62321-8

Marking:



7) REACH

Conformity Standards: European Chemicals Agency (ECHA) Regarding Regulation (EC)

No. 1907/2006 Concerning REACH

Marking:

8) WEEE: Directive 2012/19/EU on waste electrical and electronic equipment

Conformity Standards: IEC TR 62635: 2012

Marking:



9) FCC: According to FCC Part 15

Conformity Standards: EN 50270:2015

(Class A digital devices) EN 61000-6-4: 2007/A1:2011

Marking:



10) RCM: Radiocommunications (Electromagnetic Compatibility) Standard 2017

Conformity Standards: EN 61000-6-4:2007 + A1

Marking:



"This declaration is valid for all listed products and their respective certifications as of the issue date and is subject to ongoing compliance with applicable standards."

Authorized Representative:

Rin Choi

Director of Sales Dept / Vice President

SENKO Co., Ltd.