



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CSA 23.0016X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-04-11

Applicant: **SENKO Co., Ltd**
73, Oesammi-ro15beon-gil, Osan-si, Gyeonggi-do, 18111, Korea
Korea, Republic of

Equipment: **SP-MGTP Series Portable Multi-Gas Detectors**

Optional accessory: N/A

Type of Protection: **Intrinsic Safety "i", Flameproof "d"**

Marking: SP-MGTP-P0 Series: Ex da ia IIC T4 Ga
Ex da ia IIB T4 Ga

SP-MGTP-N0 Series: Ex ia IIC T4 Ga
Ex ia IIB T4 Ga

SP-MGTP-N1 Series: Ex db ia IIC T4 Gb
Ex db ia IIB T4 Gb

SP-MGTP-N2 Series: Ex db ia IIC T4 Gb
Ex db ia IIB T4 Gb

SP-MGTP-00 Series: Ex ia IIC T4 Ga
Ex ia IIB T4 Ga

Ta = -20°C to 50°C

Approved for issue on behalf of the IECEx
Certification Body:

Dave Magee

Position:

Senior Director of Operations, Toronto

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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Manufacturer: **SENKO Co., Ltd**
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Korea, Republic of

Manufacturing locations: **SENKO Co., Ltd**
73, Oesammi-ro15beon-gil, Osan-si,
Gyeonggi-do, 18111, Korea
Korea, Republic of

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CA/CSA/ExTR23.0011/00](#)

Quality Assessment Report:

[KR/KTL/QAR14.0003/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The SP-MGTP is a portable multi-gas detector with built-in pump that operates to detect ambient oxygen, toxic gas, combustible gas and volatile organic compounds (VOCs). This gas detector contains one oxygen sensor, one dual sensor for CO and H₂S, one combustible sensor (Pellistor and IR type) and one VOCs sensor. The LCD display panel on front of the instrument displays sensor readings in real time and selected functions. The three buttons on the front allow users to select pre-programmed functions and switching on/off the instrument. The SP-MGT-PUMP provides audible, visual and tactual alarms when the measured gas concentration reaches a pre-set alarm concentration. Audible and visual alarm indicators are placed on the front panel for easy recognition. The instrument is operated by the battery power from integral rechargeable battery pack containing Li-ion cell batteries.

Refer to annexe for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment shall only be carried and must not be laid down unattended.
2. The IR communication functions shall only be used in a safe (non-hazardous) area where there is no risk of explosion or fire.
3. The equipment shall only be charged while in the non-hazardous area, using a charger specifically supplied for use with the unit (for example part number ICP12-060-1200D, manufactured by Shenzhen Shi Ying Yuan Electronics Co, LTD), approved as SELV or Class 2 equipment against IEC 60950, IEC 61010-1 or an equivalent IEC standard. The maximum voltage and current from the charger shall not exceed 6.3 Vdc plus tolerances and 1.2 A respectively and shall be further limited by the charging system to $U_m = 6.3$ Vdc. The ambient temperature during charging shall be in the range 0 °C to 45 °C

Annex:

[IECEX Annexe to CSA 23.0016X.pdf](#)

Annexe to: IECEx CSA 23.0016X

Applicant: Senko Co., Ltd.

Apparatus: SP-MGTP Series Portable Multi Gas Detectors



EQUIPMENT continued



Date: 11 April 2023

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