



# Certificate of Compliance

**Certificate:** 70093757

**Master Contract:** 251186

**Project:** 70153333

**Date Issued:** 2017-09-19

**Issued to:** SENKO Co., Ltd.  
73 Oesammi-ro  
15 Beon-gil  
Gyeonggi-do, Osan, 425-852  
SOUTH KOREA  
**Attention:** Taemyung Kwon

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



**Issued by:**

Oong Lee

## **PRODUCTS**

**CLASS - C225803 - PROCESS CONTROL EQUIPMENT** - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Ex ia IIC T4 Ga  
Class I, Division 1, Groups A, B, C, D, T4

SGT Series Portable Single Gas Detector, 3.6VDC battery powered:  
Tamb= -40°C to 50°C (for all gas types except O2: CO, SO2, H2, H2S, NH3, NO2, and CL2);  
Tamb= -35°C to 50°C (for O2 type).

The configuration for SGT (Single Gas Trap) Series Model Name is as follows;

SP-SGT-A

SP-SGT: Model Name

- A: Gas Type (O2, CO, SO2, H2, H2S, NH3, NO2 or CL2)



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**CLASS - C225883 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe and Non-Incendive-Systems-For Hazardous Locations-Certified to U.S. Standards**

Class I, Zone 0, AEx ia IIC T4 Ga  
Class I, Division 1, Groups A, B, C, D, T4

SGT Series Portable Single Gas Detector, 3.6VDC battery powered  
Tamb= -40°C to 50°C (for all gas types except O2: CO, SO2, H2, H2S, NH3, NO2, and CL2);  
Tamb= -35°C to 50°C (for O2 type).

The configuration for SGT (Single Gas Trap) Series Model Name is as follows;  
SP-SGT-A  
SP-SGT: Model name  
- A: Gas Type (O2, CO, SO2, H2, H2S, NH3, NO2 or CL2)

**APPLICABLE REQUIREMENTS**

|                                  |  |
|----------------------------------|--|
| <b>C22.2 No. 60079-0:2015</b>    | Explosive atmospheres – Part 0: Equipment – General requirements   |
| <b>C22.2 No. 60079-11:2014</b>   | Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”  |
| <b>C22.2 No. 61010-1-12:2012</b> | Safety Requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements   |
| <b>UL 61010-1</b>                | UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition, Revision Date 29 Apr 2016                                    |
| <b>UL 913</b>                    | UL Standard for Safety Intrinsicly Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations - Eighth Edition, Revision Date 16 Oct 2015 |
| <b>UL 60079-0</b>                | UL Standard for Safety Explosive atmospheres Part 0: Equipment General requirements - Sixth Edition, Revision Date 26 Jul 2013   |
| <b>UL 60079-11</b>               | UL Standard for Safety Explosive Atmospheres Part 11: Equipment Protection by Intrinsic Safety "i" - Sixth Edition, Revision Date 28 Mar 2014  |

**MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.



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**Nameplate adhesive label material approval information:**

The following marking details appear on CSA Accepted Adhesive nameplates (Certified under CSA CLASS numbers 7921 xx or 7923 xx [ or equivalent certification from NRTLs for US and Canada], with suitability for adhesion to Polycarbonate surfaces at -40 to +50°C ambient.). The label must be adhered to the Polycarbonate window surface only.

Applicability of Ex marking is secured in production process.

See Label drawing 1423SGTB524-300.

The marking includes the following:

- 1) Manufacturer's name or registered trade mark;
- 2) Manufacturer's type identification as in the PRODUCTS section, above;
- 3) Serial number;
- 4) Model Number as in the PRODUCTS section, above;
- 5) Ambient Temperature Rating: as specified in the PRODUCTS section above.
- 6) Temperature Code: as specified in the PRODUCTS section, above.
- 7) Hazardous Location Designation: Ex ia IIC T4 Ga; Class I, Zone 0, AEx ia IIC T4 Ga; or Class I, Division 1, Groups A, B, C, D, T4 as specified in the PRODUCTS section above.
- 8) The CSA Mark with "C" and "US" indicators, as shown on the Certificate of Conformity.
- 9) Add battery replacement WARNING marking in English and French for 61010-1.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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| <b>Project</b> | <b>Date</b> | <b>Description</b>   |
|----------------|-------------|--|
| 70153333       | 2017-09-19  | Update to certificate 70093757 to add three alternative sensors and to change the descriptive documents.   |
| 70093757       | 2016-10-20  | Original Certification SP-SGT Series Portable Single Gas Detectors as Intrinsic Safety Type protection for Class I, Div. 1, Groups ABCD, T4 and Class I, Zone 0: AEx/Ex ia IIC T4 Ga Standards Used: C22.2 No. 60079-0:2015; C22.2 No. 60079-11:2014; C22.2 No. 61010-1-12:2010; UL 61010-1, Ed. 3; UL 913, Ed. 8; UL 60079-0, Ed. 6; UL 60079-11, Ed. 6 |