



Certificate of Conformity

AWARDED TO APPLICANT

SENKO CO, LTD

73, OESAMMI-RO, 15 BEON-GIL, OSAN –SI
GYEONGGI-DO, 18111, – SOUTH KOREA

MANUFACTURER: SENKO CO, LTD

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GYEONGGI-DO, 18111, – SOUTH KOREA

Bureau Veritas Certification certifies that the Product in the scope of supply specified below has been evaluated and found to comply with the requirements of the reference documents.

Documents of Reference

ORDINANCE N° 179 FROM INMETRO, ISSUED IN MAY 18TH 2010,
ABNT NBR IEC 60079-0:2013 and ABNT NBR IEC 60079-11:2013.
CERTIFICATE ISSUED BASED ON THE MANUFACTURER EVALUATION OF QUALITY
MANAGEMENT SYSTEM AND PRODUCT TESTS MODEL

Scope of Supply

PORTABLE SINGLE GAS DETECTOR
MODEL: SP-SGT

MARKING: Ex ia IIC T4 Ga

-40 °C ≤ Ta ≤ +50 °C (For all gas types except O2)

-35 °C ≤ Ta ≤ +50 °C (For O2 type)

Initial date of this Certificate: **DECEMBER 09TH 2019.**

Certificate valid until: **DECEMBER 08TH 2022.**

This Certificate of Conformity was issued according to the certification model 5 and is valid only accompanied by pages 1 to 04. The validity of this Certificate is linked to carrying out assessments maintenance and treatment of possible non-conformity in accordance with the Bureau Veritas Certification guidelines and in the specific Inmetro Ordinances (RAC).

To check the updated condition of regularity of this Certificate must be obtained from the product database and Certificate Services on Inmetro site.

Product Certification Contract: **20180164**

Certificate since: **DECEMBER 09TH 2016.**

INMETRO Certificate Number: **BVC16.5919**

Wagner Valentino

Coordenador Técnico de Certificação de Produto



**BUREAU
VERITAS**

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OCP 0018

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SPECIFICATION:

The SP-SGT series are hand-held, battery operated single gas detectors to continuously monitor one toxic or combustible gas. The unit samples the atmosphere in diffusion mode using one electrochemical sensor for one of six gases: O₂, CO, SO₂, H₂, H₂S or NH₃. Power is provided by one, non user-replaceable, 3.6 V Lithium/Thionyl chloride (Li/SOCl₂) cell. The detector alerts the user to potentially unsafe exposure with visual, vibrating and audible alarms when gas concentration exceeds alarm set points. The detector has IR communications for changing the alarm set point, the calibration range and the display configuration.

ELECTRICAL CHARACTERISTICS:

Nominal Voltage: 3,6 V

TECHNICAL DOCUMENTATION:

- Certificate of Conformity n° IECEx KTL 15.0018 de 2016/04/08;
- Certificate of Conformity n° IECEx KTL 15.0018/01 de 2017/08/30;
- Test Report IECEx n° KR/KTL/ExTR15.0017/00 de 2016/04/08;
- Test Report IECEx n° KR/KTL/ExTR15.0017/01 de 2017/08/30;
- Analysis Report (RA) n° 002/2016 of 2016/09/09;
- Analysis Report (RA) n° 001/2018 of 2018/11/13;
- Factory Inspection performed in 2018/11/09;
- Manual in Portuguese.



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DRAWING	DESCRIPTION	REVISION	DATE
1401SGTB502-200	PCB_Main Routing Top	0	2015/08/02
1402SGTB503-200	PCB_Main Routing Bottom	0	2015/08/02
1403SGTB504-200	PCB_Main Mask Top	0	2015/08/02
1404SGTB505-200	PCB_Main Mask Bottom	0	2015/08/02
1405SGTB506-200	PCB_Main Silk Top	0	2015/08/02
1406SGTB507-200	PCB_Main Silk Bottom	0	2015/08/02
1407SGTB508-200	PCB_Main Drill Drawing	0	2015/08/02
1408SGTB509-100	ASS_Assy Main	0	2015/08/25
1409SGTB510-300	DRA_Front Cover	0	2015/08/25
1410SGTB511-300	DRA_Back Cover	0	2015/08/25
1411SGTB512-300	DRA_Lcd Bracket	0	2015/08/25
1412SGTB513-300	DRA_Gas Type Sticker	0	2015/08/25
1413SGTB514-300	DRA_Gas Type Sticker Tape	0	2015/08/25
1414SGTB515-300	DRA_Sensor Rubber	0	2015/08/25
1415SGTB516-300	DRA_Sensor Rubber Tape	0	2015/08/25
1416SGTB517-300	DRA_Sensor Rubber Sheet	0	2015/08/25
1417SGTB518-100	ASS_Belt Clip	0	2015/08/25
1418SGTB519-300	DRA_Belt Clip A	0	2015/08/25
1419SGTB520-300	DRA_Belt Clip B	0	2015/08/25
1420SGTB521-300	DRA_Belt Clip C	0	2015/08/25
1421SGTB522-300	DRA_Belt Clip D	0	2015/08/25
1422SGTB523-100	ASS_Main PCB	0	2015/08/25
1423SGTB524-300	DRA_Label Sticker	0	2015/08/25





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OBSERVATIONS:

1. This Certificate is valid only for products with the same model and type as the tested prototype. Any modification in the project, as well as the use of components apart from those defined by the technical documentation, without previous authorization from Bureau Veritas Certification, will invalidate this Certificate.
2. The Gas Detector, on their outer surface and in a visible place, the Conformity Mark and the technical characteristics thereof, according to the specifications of the Standard ABNT NBR IEC 60079-0 / ABNT NBR IEC 60079-11 and Conformity Assessment Requirements, attached to INMETRO Ordinance 179, published on May 18, 2010. This marking must be legible and durable, possible chemical corrosion.
3. It is the responsibility of the user to ensure that the products are installed in compliance with the relevant Standards for Electrical Installations in Explosive Atmospheres and the manufacturer's recommendations.
4. The activities of installation, inspection, maintenance, repair, overhaul and recovery of equipment are the responsibility of users and must be implemented in accordance with the requirements of current technical standards and the manufacturer's recommendations.
5. The Manufacturer shall provide manual of installation and safe use written in Portuguese.

REVISIONS HISTORY

DATE OF ISSUE	DESCRIPTION
2016/12/09	Initial Issue.
2019/12/09	Revision 1 – Recertification.

