



EU-TYPE EXAMINATION CERTIFICATE

Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Certificate Number: **CSANe 23ATEX1128X** Issue: **0**

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

Applicant: **SENKO Co., Ltd**

Address: 73, Oesammi-ro15beon-gil, Osan-si, Gyeonggi-do, 18111, Republic of Korea

This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-11:2012

If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

The marking of the equipment shall include the following:



II 1G

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-00 Series:

Ex ia IIC T4 Ga

Ex ia IIB T4 Ga

Ta = -20°C to 50°C



II 2G

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

Ta = -20°C to 50°C



Signed: Michelle Halliwell

Title: Director of Operations

Project Number 80168138

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SCHEDULE

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CSANe 23ATEX1128X

Issue 0

13 DESCRIPTION OF EQUIPMENT

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.



14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	19 June 2023	R80168138A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

- 15.1 The equipment shall only be carried and must not be laid down unattended.
- 15.2 The IR communication functions shall only be used in a safe (non-hazardous) area where there is no risk of explosion or fire.
- 15.3 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

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16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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Certificate Annexe



Certificate Number: CSANe 23ATEX1128X

Equipment: SP-MGTP Series Portable Multi-Gas Detectors

Applicant: SENKO Co., Ltd

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
AIR TUBE	1 of 1	0.1	09 June 23	Air Tube
1750MGTPB900-400	1 of 1	1.0	09 June 23	Circuit Block Diagram
1752MGTPB902-400	1 of 1	1.0	09 June 23	CIR_Battery Pack Circuit Diagram
1751MGTPB901-400	1 to 6	1.0	09 June 23	CIR_Main_Circuit Diagram
1753MGTPB903-200	1 of 1	1.0	09 June 23	PCB_Main_Routing_Top
1754MGTPB904-200	1 of 1	1.0	09 June 23	PCB_Main_Mask_Top
1755MGTPB905-200	1 of 1	1.0	09 June 23	PCB_Main_Silk_Top
1756MGTPB906-200	1 of 1	1.0	09 June 23	PCB_Main_Inner 2
1757MGTPB907-200	1 of 1	1.0	09 June 23	PCB_Main_Inner 3
1758MGTPB908-200	1 of 1	1.0	09 June 23	PCB_Main_Routing_Bottom
1759MGTPB909-200	1 of 1	1.0	09 June 23	PCB_Main_Mask_Bottom
1760MGTPB910-200	1 of 1	1.0	09 June 23	PCB_Main_Silk_Bottom
1761MGTPB911-200	1 of 1	1.0	09 June 23	PCB_Main_Drill_Drawing
1762MGTPB912-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Routing_Top
1763MGTPB913-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Mask_Top
1764MGTPB914-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Silk_Top
1765MGTPB915-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Routing_Bottom
1766MGTPB916-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Mask_Bottom
1767MGTPB917-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Silk_Bottom
1768MGTPB918-200	1 of 1	1.0	09 June 23	PCB_Battery Pack_Drill_Drawing
1769MGTPB919-100	1 of 1	01	09 June 23	ASS_Ass'y_Main
1770MGTPB920-300	1 of 1	01	09 June 23	DRA_Front_Cover
1771MGTPB921-300	1 of 1	01	09 June 23	DRA_Rear_Cover
1772MGTPB922-300	1 of 1	0.1	09 June 23	DRA_Fitting_Straight
1773MGTPB923-300	1 of 1	01	09 June 23	DRA_Fitting_Elbow
1774MGTPB924-100	1 of 1	01	09 June 23	ASS_Battery_Pack
1775MGTPB925-300	1 of 1	01	09 June 23	DRA_Battery_Pack_Cover
1776MGTPB926-300	1 of 1	01	09 June 23	DRA_Battery_Pack_Sticker
1777MGTPB927-300	1 of 1	01	09 June 23	DRA_Epoxy_Sticker
1778MGTPB928-100	1 of 1	0.1	09 June 23	ASS_Ass'y_Sensor_Cover_Mold
1779MGTPB929-300	1 of 1	1.0	09 June 23	DRA_Sensor_Cover_Mold
1780MGTPB930-300	1 of 1	0.1	09 June 23	DRA_Sensor_Sealing_Pad
1781MGTPB931-300	1 of 1	0.1	09 June 23	DRA_PID_Sensor_Sealing_SUS
1782MGTPB932-300	1 of 1	0.1	09 June 23	DRA_PID_Sensor_Sealing_Pad
1783MGTPB933-300	1 of 1	0.1	09 June 23	DRA_LCD_Bracket
1784MGTPB934-300	1 of 1	0.1	09 June 23	DRA_LCD_PORON_Tape
1785MGTPB935-300	1 of 1	0.1	09 June 23	DRA_LCD_Backlight
1786MGTPB936-300	1 of 1	0.1	09 June 23	DRA_Vibrator_Motor
1787MGTPB937-300	1 of 1	01	09 June 23	DRA_Filter_Case
1820MGTPB970-100	1 of 1	01	09 June 23	DRA_Filter_Case_insert
1788MGTPB938-100	1 of 1	01	09 June 23	ASS_Pump_Sub
1789MGTPB939-300	1 of 1	01	09 June 23	DRA_Pump_Rubber_Pack
1790MGTPB940-100	1 of 1	01	09 June 23	ASS_Belt_Clip
1791MGTPB941-300	1 of 1	01	09 June 23	DRA_Belt_Clip-A
1792MGTPB942-300	1 of 1	01	09 June 23	DRA_Belt_Clip-B
1793MGTPB943-300	1 of 1	01	09 June 23	DRA_Belt_Clip-C
1794MGTPB944-300	1 of 1	01	09 June 23	DRA_Belt_Clip-D

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Certificate Annexe



Certificate Number: CSANe 23ATEX1128X

Equipment: SP-MGTP Series Portable Multi-Gas Detectors

Applicant: SENKO Co., Ltd

Drawing	Sheets	Rev.	Date (Stamp)	Title
1795MGTPB945-300	1 of 1	01	09 June 23	DRA_Charger_Pin
1796MGTPB946-300	1 of 1	01	09 June 23	DRA_M3XL3.5_Insert
1797MGTPB947-300	1 of 1	01	09 June 23	DRA_M3XL5_Insert
1798MGTPB948-300	1 of 1	01	09 June 23	DRA_Label
1799MGTPB949-300	1 of 1	01	09 June 23	DRA_Front_Label
1800MGTPB950-100	1 of 1	1.0	09 June 23	ASS_Charger
1801MGTPB951-300	1 of 1	1.0	09 June 23	DRA_Charger_Front_Cover
1802MGTPB952-300	1 of 1	1.0	09 June 23	DRA_Charger_Rear_Cover
1803MGTPB953-300	1 of 1	1.0	09 June 23	DRA_Charger_Clip-D
1804MGTPB954-100	1 of 1	01	09 June 23	ASS_Main_PBA
1805MGTPB955-100	1 of 1	01	09 June 23	ASS_Battery_Pack_PBA
1806MGTPB956-100	1 of 1	1.0	09 June 23	ASS_Charger_Sub_PCB
1807MGTPB957-500	1 to 2	1.0	09 June 23	PAR_Main_Part List
1808MGTPB958-500	1 of 1	1.0	09 June 23	PAR_Battery Pack_Part List
1809MGTPB959-100	1 of 1	0.9	09 June 23	ASS_Battery Cable_Ass'y
1810MGTPB960-300	1 of 1	01	09 June 23	DRA_POROUS_PTFE
1811MGTPB961-100	1 of 1	0.9	09 June 23	ASS_PUMP CABLE ASSY
1812MGTPB962-100	1 of 1	01	09 June 23	DRA_BOTTOM CASE R
1813MGTPB963-100	1 of 1	01	09 June 23	DRA_BOTTOM CASE L
1814MGTPB964-100	1 of 1	01	09 June 23	DRA_TOP_CASE
1815MGTPB965-100	1 of 1	01	09 June 23	DRA_BAR
1816MGTPB966-100	1 of 1	01	09 June 23	DRA_BAR INSERT
1817MGTPB967-100	1 of 1	01	09 June 23	DRA_TUBE INSERT
1818MGTPB968-100	1 of 1	01	09 June 23	DRA_SYRINGE_FILTER
1819MGTPB969-100	1 of 1	01	09 June 23	ASS_PROBE
1821MGTPB971-100	1 of 1	01	09 June 23	DRA_Dust_Filter
SP-MGTP User Manual	1 to 25	--	09 June 23	SP-MGTP User Manual
1798MGTPB948-300	1 of 1	--	09 June 23	DRA_Label

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