



Certificate of Compliance

Certificate: 70156025

Master Contract: 271094

Project: 80162468

Date Issued: March 22, 2023

Issued to: Crowcon Detection Instruments Ltd
172 Brook Drive
Milton Park
Abingdon
Oxfordshire
OX14 4SD

Attention: Mr Stephen Hand

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: Tammy Klinger
Tammy Klinger

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

CL Series Portable Single Gas Detector, 3.6VDC battery powered:

Tamb= -40°C to 50°C (for CO and H2S);

Tamb= -35°C to 50°C (for O2 type).

The configuration for CL Series Model Name is as follows;

CL-O, CL-C and CL-H (where O – O2 type, C – CO type and H – H2S type)



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**CLASS - C225883 - PROCESS CONTROL EQUIPMENT - Intrinsically 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

CL Series Portable Single Gas Detector, 3.6VDC battery powered
Tamb= -40°C to 50°C (for CO and H2S);
Tamb= -35°C to 50°C (for O2 type).

The configuration for CL Series Model Name is as follows;
CL-O, CL-C and CL-H (where O – O2 type, C – CO type and H – H2S type)

APPLICABLE REQUIREMENTS

C22.2 No. 60079-0:19	Explosive atmospheres – Part 0: Equipment – General requirements
C22.2 No. 60079-11:2014	Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”
C22.2 No. 61010-1-12:2012	Safety Requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
UL 61010-1	UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition, Revision Date 29 Apr 2016
UL 913	UL Standard for Safety Intrinsically 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
UL 60079-0	UL Standard for Safety Explosive atmospheres Part 0: Equipment General requirements - Seventh Edition, Revision Date 26 Jul 2013
UL 60079-11	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

Project	Date	Description
80162468	March 22, 2023	Submittor Report
70156025	Sept 19, 2017	Submittor Model
		Listee Model
		251186 - 70093757
		SP-SGT-O2
		CL-O
		SP-SGT-CO
		CL-C
		SP-SGT-H2S
		CL-H