



# Certificate of Compliance

**Certificate:** 70095939

**Master Contract:** 241576

**Project:** 80244836

**Date Issued:** 2025-01-28

**Issued To:** INFICON AB  
Wahlbecksgatan 25, 582 13  
Linköping, Östergötland County, 582 16  
Sweden

**Attention:** Fredrik Enquist

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only*



  
**Issued by:** Oong Lee

## **PRODUCTS**

**CLASS C2258 02 - PROCESS CONTROL EQUIPMENT** - For Hazardous Locations

**CLASS C2258 82 - PROCESS CONTROL EQUIPMENT** - For Hazardous Locations-Certified to U.S.  
Standards

**Ex ia IIC T3 Ga**

**Class I, Division 1, Groups B, C and D**

**AEx ia IIC T3 Ga**

**Intrinsically safe Class I, Division 1, Groups B, C and D**

Inficon Irwin SX\* Portable battery powered gas detector; Temperature Code T3 (Tamb = -20°C to + 50°C)

The Irwin SX\* models covered by this approval are as follows:

Irwin SX (CH<sub>4</sub>)



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Irwin SXT (As SX + O<sub>2</sub>, H<sub>2</sub>S, CO)  
Irwin SXG (As SX+ gas chromatograph)  
Irwin SXGT (As SXT + gas chromatograph)

### **Conditions of Acceptability:**

#### Ordloc

1. This assessment does not cover reliable function, performance, or other properties of the equipment not related to safety.
2. This assessment does not cover the external charging circuits.
3. If at any time there is a conflict between the system safety provisions and any relevant local (national or regional) requirements, the local requirements always take precedence.
4. Equipment is not to be used with flammable liquids.
5. IP rating of this equipment has not been verified as part of this assessment.
6. Equipment is considered to have limited time exposure to UV during normal operation.

#### Hazloc

1. Battery charging and data transfer via cable may only be performed in the non-hazardous area. Only the certified Irwin Charging Adaptor (P/N-580-604) may be connected to the Irwin SX\* for the battery charging or data transfer.
2. The Irwin SX\* must not be used in any environmental that may expose the equipment to acetylene.

### **APPLICABLE REQUIREMENTS**

#### Canadian standards

CSA C22.2 No. 60079-0:19  
(IEC 60079-0:2017, MOD)

Explosive atmospheres — Part 0: Equipment — General requirements

CAN/CSA-C22.2 No. 60079-11:14  
(IEC 60079-11:2011 6<sup>th</sup> Ed., MOD)

Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”

CAN/CSA C22.2 No. 61010-1-12

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements – Third Edition

#### US Standards

ANSI/UL 60079-0-2019, 7<sup>th</sup> Edition  
ANSI/UL 60079-11-2018, 6<sup>th</sup> Edition

Explosive Atmospheres – Part 0: Equipment – General Requirements  
Explosive Atmospheres – Part 11: Equipment protection by Intrinsic Safety “i”

ANSI/UL 61010-1 (3<sup>rd</sup> Edition)

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements



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## **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.

## **Nameplate adhesive label material approval information:**

The following details appear:

- CSA Monogram with C-US
- Company name
- Model number
- Serial number and/or Date Code
- Ex ia IIC T3 Ga  
Class I, Zone 0, AEx ia IIC T3 Ga  
Intrinsically safe Class I, Division 1, Groups B, C and D
- Warning! DO NOT USE WITH ACETYLENE!  
NE PAS UTILISER AVEC L'ACÉTYLÈNE

Notes:

Products certified under Class C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *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>
80244836	2025-01-28	Correction to remove Group A from the Div marking.
80209002	2024-06-25	Evaluation for update to cCSAus report 70095939 for following modifications: <ul style="list-style-type: none"><li>• Addition of 4 alternative SnO2 sensors based on successful small component ignition tests.</li><li>• Adding a new pump motor for the main pump.</li><li>• Changes to the charging adapter/crowbar.</li><li>• Addition of small PCB with a diode and a resistor, connected between battery and Main PCB as a retrofit.</li></ul>
80123923	2022-06-10	Update to CSA 70095939 based on an external Baseefa ExTR.  Variations: <ol style="list-style-type: none"><li>1. Label update</li><li>2. New plastic enclosure material introduced</li><li>3. A warning introduced to exclude the use with Acetylene</li><li>4. Standard upgrade (-0 only)</li></ol>
80022804	2019-12-02	Variation to CSA 70095939 - Potting compound Loctite SI 5700 is obsolete and will be replaced by a slightly modified compound SI 5710.
70095939	2017-08-02	Original Certification.