



Certificate of Compliance

Certificate: 70095939

Master Contract: 241576

Project: 80123923

Date Issued: June 10, 2022

Issued To: INFICON AB
Wahlbecksgatan 25, 582 13
Linköping, Ostergotland 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:

Ian Hulse

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT For Hazardous Locations

CLASS - C225882 - PROCESS CONTROL EQUIPMENT For Hazardous Locations - Certified to US Standards

Ex ia IIC T3 Ga

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

AEx ia IIC T3 Ga

Intrinsically safe Class I, Division 1, Groups A, 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 (CH₄)

Irwin SXT (As SX + O₂, H₂S, CO)

Irwin SXG (As SX+ gas chromatograph)

Irwin SXGT (As SXT + gas chromatograph)



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APPLICABLE REQUIREMENTS

Canadian Standards

CSA C22.2 No. 60079:19
(IEC 60079-0:201, MOD)

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

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

Explosive atmospheres — Part 0: Equipment — General requirements

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

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

US Standards

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

ANSI/UL 61010-1 (3rd Edition)

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

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

MARKINGS

Ex ia IIC T3 Ga

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

Class I, Zone 0, AEx ia IIC T3 Ga

Intrinsically Safe Class I, Division 1, Groups A, B, C and D

CONDITIONS OF ACCEPTABILITY

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. This assessment does not cover reliable function, performance, or other properties of the equipment not related to safety.
3. This assessment does not cover the external charging circuits (accessory 580-605 and 580-604).
4. 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.
5. Equipment is not to be used with flammable liquids.
6. IP rating of this equipment has not been verified as part of this assessment.
7. Equipment is considered to have limited time exposure to UV during normal operation.
8. The Irwin SX* must not be used in any environmental that may expose the equipment to acetylene.

Notes:
