



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX SP 16.0001X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 2 [Issue 1 \(2017-06-15\)](#)
[Issue 0 \(2016-08-22\)](#)
Date of Issue: 2019-12-05
Applicant: **INFICON AB**
Box 76
SE-581 02 Linköping
Sweden
Equipment: **Gasdetector type IRwin SX***
Optional accessory:
Type of Protection: **Intrinsic safety "ia"**
Marking: Ex ia IIC T3 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Peter Bremer

Position:

Certification Officer

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

RISE Research Institutes of Sweden AB
Box 857
SE-501 15 Borås
Sweden





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Manufacturer: **INFICON AB**
Westmansgatan 47F
SE-582 16 Linköping
Sweden

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR16.0156/00](#)
[GB/BAS/ExTR19.0319/00](#)

[GB/BAS/ExTR16.0156/01](#)

[GB/BAS/ExTR16.0319/00](#)

Quality Assessment Report:

[SE/SP/QAR07.0002/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The IRwin SX* is a portable battery powered gas detector intended for detection of various gas types, dependent upon variant, and fitted with internal pumps for sampling via the hand probe. Measurements are shown via the integrated LCD screen and are additionally stored for later retrieval or may be transmitted via a Bluetooth connection.

The equipment consists of a PCB featuring numerous components, an LCD screen with accompanying buttons for interface purposes, secondary lithium-ion cells with small solenoids and DC pumps for gas sampling, all housed within a static dissipative plastic enclosure.

The hand-probe is connected to the sample inlet connector. A charger/serial port connector allows for the internal batteries to be recharged or for data retrieval. The charger/serial port is not used in the hazardous area.

The IRwin SX* models covered by this certificate are as follows:

IRwin SX CH₄
IRwin SX As SX + O₂, H₂S, CO
IRwin SXG As SX + gas chromatograph
IRwin SXGT As SXT + gas chromatograph

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Battery charging and data transfer 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation for CoC issue 2

To permit the use of an alternative encapsulant and to correct the issue date of drawing 5655, according to ExTR: GB/BAS/ExTR19.0319/00.

The manufacturer's address (street address), for INFICON AB, has been changed to: Westmansgatan 47F
The specific conditions of use, has been changed by removing the wording "via cable".

Refer to previous issues of this certificate, for information on previous product variants and changes.