

# UKCA Declaration of Conformity

**Manufacturer**

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**Object of the declaration**

IRwin® Methane Leak Detector . Models: SX, SXT, SXG, SXGT

**The objects of the declaration as described above are in conformity with the relevant Community Directives, namely:**

Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016.  
Electromagnetic Compatibility Regulations 2016.  
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.  
Electrical Equipment (Safety) Regulations 2016. \*  
The Radio Equipment Regulations 2017

*\* Relevant only for battery charger. Separate declaration provided on request*

**See next page for standards applied.**

**UK Approved body:****UKEX quality assurance**

SGS Baseefa Limited  
Rockhead Business Park, Staden Lane  
Buxton, Derbyshire. SK17 9RZ , UK  
Phone: +44 (0) 1298 766600  
Approved body number 1180

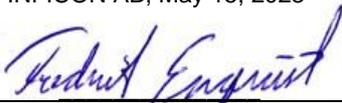
**UKEX Type examination certificate**

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**Report and Certificate reference numbers**

No.	Issue	Subject
BAS21UKEX0575X	-	UK Type Examination Certificate
BASUKQAN7324	-	UK Quality Assurance Notification

For INFICON AB, May 15, 2023



Fredrik Enquist, Development Manager

INFICON AB, Box 76, SE-581 02 Linköping, Sweden

### Harmonized European standards which have been applied

Standard	Edition	Comment
EN 60079-0	2018	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements.
EN 60079-11	2012	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i".
EN 80079-34	2011	Application of Quality system for Ex Equipment Manufacturing.
EN 61000-6-2	2005	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for industrial environments.
EN 61000-6-4	2007	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for industrial environments.
EN 50104	2010	Electrical apparatus for the detection and measurement of oxygen – Performance requirements and test methods
EN 50270	2015	Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN 301 489-17	V3.2.4	ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems
EN 50581	2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 300 328	V2.2.2	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques

### Other standards which have been applied

EN 50271	2010	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen - Requirements and tests for apparatus using software and/or digital technologies. Replaced by edition 2018. No "Substantial change regarding ESRs" according to Annex ZY of EN 50271:2018.
EN 45544-1	2015	Workplace atmospheres - Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours - Part 1: General requirements and test methods. (Not applicable for IRwin SX and IRwin SXG)
EN 45544-2	2015	Part 2: Performance requirements for apparatus used for exposure measurement. (Not applicable for IRwin SX and IRwin SXG)
EN 60079-29-1	2007	Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases. The equipment was verified by TÜV Rheinland to comply with draft version of edition 2016. All 13 major technical changes in edition 2016 are fulfilled.