EU Declaration of Conformity

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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:

ATEX	Equipment intended for use in potentially Explosive Atmospheres (2014/34/EU)
EMC	Electromagnetic Compatibility (2014/30/EU).
RoHS	Restriction of the use of certain Hazardous Substances in electronic equipment (2011/65/EU).
LVD	Electrical safety - Low Voltage (2014/35/EU) *.
RED	Radio Equipment Directive (2014/53/EU

* Relevant only for battery charger (CE marked). Separate declaration provided on request

See next page for details of standards applied.

For INFICON AB, May 15, 2023

Fredrik Enquist, Development Manager

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 editon 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.

ATEX Notified bodies:

ATEX quality assurance
ATEX RISE Research Institutes of Sweden
Box 857
50115 Borås, Sweden
Phone: +46 (0) 10 516 50 00
Notified body number: 0402

ATEX Exsplosion protection
SGS Fimko OY
Takomotie 8, FI-00380 Helsinki
Finland
Phone: +358 (0)9 696 361
Notified body number: 0598

ATEX LFL and Oxygen
TÜV Rheinland Industrie Service GmbH
Laboratory for explosion protection
Moltkeplatz 1,45138 Essen
Germany
Notified body number: 0035