



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 ETL 19.0047X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-03-19

Applicant: **Sierra Monitor Corporation**
1991 Tarob Court
Milpitas, CA 95035
United States of America

Equipment: **4101-28 Gas Detection Sensor**

Optional accessory:

Type of Protection: **Flameproof**

Marking: Ex db IIB+H2 T6 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Manufacturer: **Sierra Monitor Corporation**
1991 Tarob Court
Milpitas, CA 95035
United States of America

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Report:

[US/ETL/ExTR20.0013/00](#)

Quality Assessment Report:

[GB/FME/QAR12.0013/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Blind IR Gas Detection Sensor, Model 4101-28-IT

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Consult the original manufacturer for information on the dimensions of the flameproof joints.
2. Equipment shall be installed into a bonded metallic enclosure or conduit line.
3. Equipment has been evaluated for use with an enclosure of max volume of 0.45 litres.

Annex:

[IECEX ETL 19.0047X Annex - Issue 00.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 19.0047X	Issue No. 0
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
ASSEMBLY 4101-28 STANDALONE IR SENSOR	A14090	B	8/6/19
ASSEMBLY PCA STANDALONE SENSOR CONTROLLER	A21951	A1	1/2/20
ASSEMBLY PCA STANDALONE IR FRONT END	A21952	A	1/8/19
ASSEMBLY REMOTE IR SENSOR	A21955	A	1/10/19
ASSEMBLY HOUSING SS BLIND SENSOR	A22145	B	8/6/19
FAB, ENCL. SEAL BLIND IR SENSOR SS	F32218	A1	1/21/19
FAB, ENCLOSURE BLIND IR SENSOR SS	F32219	B	7/29/2019
FAB, DISK SINTERED .984" X .1" 100 POROSITY	F39245	A	6/19/18
SPACER BLIND IR SENSOR	F39246	A	7/18/18
FAB, RING, BACK SPACER, IR SENSOR	F39247	A	8/1/18
ARTWORK LABEL, 4101-28 NRTL RATING	H35610	B1	3/18/2020
Sentry IT Data Sheet	T12425	A7	Dec 2019