



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 15.0065X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2020-06-02\)](#)
[Issue 0 \(2016-05-12\)](#)
Date of Issue: 2021-07-27
Applicant: **Reuter-Stokes, LLC**
8499 Darrow Road
Twinsburg, OH 44087
United States of America
Equipment: **Flame Trackers**
Optional accessory:
Type of Protection: **Increased Safety**
Marking: Ex ec IIC T3 Gc (RS-FS-9001 and RS-FS-9006 at higher ambient of 150°C)
Ex ec IIC T2 Gc (RS-FS-9001 and RS-FS-9006 at higher ambient of 235°C)
-40°C to 150°C
-40°C to 235°C (Model with cooling option)

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



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 15.0065X**

Page 2 of 4

Date of issue: 2021-07-27

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Manufacturer: **Reuter-Stokes, LLC**
8499 Darrow Road
Twinsburg, OH 44087
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 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

[US/ETL/ExTR16.0004/00](#)

[US/ETL/ExTR16.0004/01](#)

Quality Assessment Report:

[GB/ITS/QAR10.0012/08](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 15.0065X**

Page 3 of 4

Date of issue: 2021-07-27

Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Flame Trackers are used to detect a flame/combustion optically. They sense the UV light given off by the flame and produce a 4-20mA signal in response to the flame. The RS-FS-9001 and RS-FS-9006 are single unit devices. The construction of RS-FS-9001 and RS-FS-9006 are identical devices with RS-FS-9006, part number generated for GE AVIATION.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 15.0065X**

Page 4 of 4

Date of issue: 2021-07-27

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updated the protection type from “Ex nA” to “Ex ec” - Replaced standard IEC 60079-15:2010 Edition 4.0 with IEC 60079-7:2015 Edition 5.1.
- Updated standard from IEC 60079-0: 2011 Edition: 6 to IEC 60079-0: 2017 Edition: 7.

Annex:

[G104619750-Annex for CoC IECEx ETL 15.0065X Issue 2.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 15.0065X	Issue No. 2
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
FLAME SENSOR (UV)	FS-9001-CERT	-	09/05/2014
SCH, FLAME SENSOR	FS-9001-20S-CERT	NC	11/10/2014
SCH, SMT FLAME SENSOR	FS-9001-60S-CERT	A	05/09/2016
FLAME SENSOR INTERCONNECTING CABLE	RS-E2-0285-CERT	NC	04/07/2014
REFS INTERCONNECT CABLE	RS-E2-0485-CERT	NC	10/24/2014
*CERTIFICATION MARKING-CB	FS-9001-54-CB	F	04/26/2021
*FLAME TRACKER™ (4-20mA) QUICK START GUIDE-MODEL RS-FS-9001	FS-9001QSM	F	04/30/2021
*FLAME TRACKER™ (4-20mA) QUICK START GUIDE-MODEL RS-FS-9006	FS-9006QSM	F	04/21/2021

*Note: An * is included before the title of documents that are new or revised*

Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	Dielectric Strength Equipment shall withstand without breakdown a routine dielectric strength test at 500 V r.m.s. for 60 seconds carried out in accordance with clause 6.1. of EN 60079-7:2015 +A1:2018.	IEC 60079-7:2017, Clause 6.1