



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEx FMG 14.0027X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 8	Issue 7 (2019-10-11)
Date of Issue:	2020-09-17		Issue 6 (2019-09-11)
Applicant:	<b>Honeywell Analytics Inc.</b> 405 Barclay Boulevard, Lincolnshire, IL 60069 <b>United States of America</b>		Issue 5 (2019-07-29)
Equipment:	<b>Flame Detectors</b>		Issue 4 (2019-02-11)
Optional accessory:			Issue 3 (2018-07-06)
Type of Protection:	<b>Flameproof 'db', Protection by Enclosure 'tb'</b>		Issue 2 (2016-07-25)
Marking:	IECEx FMG 14.0027X		Issue 1 (2015-09-18)
	Ex db IIC *;Ex tb III C T135°C,		Issue 0 (2014-11-05)
	*FS20XP: T5 Ta=-55°C to +85°C		
	*FS24XP: T5 Ta=-55°C to +85°C		
	*FS20X: T4 Ta=-40°C to +110°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C		
	*FS24X: T4 Ta=-40°C to +110°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C		
	*FS24X-9: T4 Ta=-60°C to +110°C, T5 Ta= -60°C to +75°C, T6 Ta=-60°C to +60°C		
	*SS2/SS4X: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C		

Approved for issue on behalf of the IECEx  
Certification Body:

**J. E. Marquedant**

Position:

**VP, Manager - Electrical Systems**

Signature:  
(for printed version)

Date:  
(for printed version)

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**FM Approvals LLC**  
1151 Boston-Providence Turnpike  
Norwood, MA 02062  
United States of America





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Manufacturer: **Honeywell Analytics Inc.**  
405 Barclay Boulevard  
Lincolnshire, IL 60069  
**United States of America**

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

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

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/FMG/ExTR14.0026/00](#)  
[US/FMG/ExTR14.0026/03](#)  
[US/FMG/ExTR14.0026/06](#)

[US/FMG/ExTR14.0026/01](#)  
[US/FMG/ExTR14.0026/04](#)  
[US/FMG/ExTR14.0026/07](#)

[US/FMG/ExTR14.0026/02](#)  
[US/FMG/ExTR14.0026/05](#)  
[US/FMG/ExTR14.0026/08](#)

Quality Assessment Report:

[GB/FME/QAR14.0010/02](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

FS20X, FS20XP, FS24X, FS24XP, FS24X-9, SS2-A, SS2-AH, SS2-AM, SS2-AN,  
SS4-A, SS4-A-2, SS4-AS, SS4-AS-2, SS4-AUV, and SS4-AUV-2.

### Additional Marking:

\*SS2-A: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS2-AH: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS2-AM: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS2-AN: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-A: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-A-2: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-AS: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-AS-2: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-AUV: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C  
\*SS4-AUV-2: T4 Ta=-40°C to +85°C, T5 Ta= -40°C to +75°C, T6 Ta=-40°C to +60°C

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

CONDITIONS OF CERTIFICATION: YES as shown below:

1. WARNING: ELECTROSTATIC HAZARD DO NOT RUB WITH DRY CLOTH.
2. Consult the manufacturer for dimensional information on the flameproof joint specifications.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Minor non-safety related documentation changes.