



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx FMG 18.0031X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-02-28\)](#)

Status: **Current**

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Date of Issue: **2019-02-28**

Applicant: **D-2 Incorporated**
23 Edgerton Drive, Suite A
North Falmouth, MA 02556
United States of America

Equipment: **JF-1A and JF-1A-HP Conductivity Sensor**

Optional accessory: *none*

Type of Protection: **db ia**

Marking:
Ex db ia IIC T4 Gb

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

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 the [Official IECEx Website](#).

Certificate issued by:

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





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Manufacturer: **D-2 Incorporated**
23 Edgerton Drive, Suite A
North Falmouth, MA 02556
United States of America

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical 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/FMG/ExTR18.0026/00](#)

Quality Assessment Report:

[GB/FME/QAR19.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

JF-1A-a-b-c-d, Conductivity Sensor

a = User Interface Type; H or blank

b = Sensor Reach; 5 digits (numeric)

c = Certification; A or AI

d = 4-20mA Range Relationship; 1 digit (numeric)

JF-1A-a-b-c-d-e-f-g, Conductivity Sensor

a = User Interface Type; H or blank

b = Flange Type; A, D or C

c = Flange Diameter: A, D or C

d = CCPPP Flange Pressure Rating; A, D or C

e = Flange to Sensor Reach; 5 digits (numeric)

f = Certification; A or AI

g = 4-20mA Range Relationship; 1 digit (numeric)

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment includes flamepaths, consult with D-2 Inc. if repair of the flamepaths is necessary.