



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX SIR 09.0006U**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2021-03-31)

Issue 2 (2018-03-06)

Issue 1 (2012-10-10)

Issue 0 (2009-03-13)

Date of Issue: 2021-09-17

Applicant: **International Metal Engineering Pte Limited**
Blk 13 Toa Payoh Lorong 8
#06-05 Braddell Tech Park
Singapore
319261
Singapore

Ex Component: Series 1080 and 1088 Instrument Housings

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof and Dust**

Marking: Ex db IIC Gb
Ex tb IIIC Db
Ta = -40°C to 85°C

IP68

Approved for issue on behalf of the IECEx
Certification Body:

Neil Jones

Position:

Certification Manager

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0006U**

Page 2 of 4

Date of issue: 2021-09-17

Issue No: 4

Manufacturer: **International Metal Engineering Pte Limited**
Blk 13 Toa Payoh Lorong 8
#06-05 Braddell Tech Park
Singapore
319261
Singapore

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

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:

[GB/CSAE/ExTR21.0083/00](#)
[GB/SIR/ExTR18.0014/00](#)

[GB/SIR/ExTR09.0031/00](#)
[GB/SIR/ExTR21.0026/00](#)

[GB/SIR/ExTR12.0243/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0040/08](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0006U**

Page 3 of 4

Date of issue: 2021-09-17

Issue No: 4

Ex Component(s) covered by this certificate is described below:

The 1080 Instrument Housings are cylindrical single compartment enclosures comprising a base and cover with a maximum internal volume of 140 cubic cm. The enclosures are manufactured from cast aluminium or stainless steel. Some cast aluminium versions are painted with silver paint or epoxy paint. The cover is blank and fitted with a stainless steel chain which is attached to the cover and base. Each enclosure may have a number of conduit openings and sizes. Both enclosures have passed a 4 times reference pressure test of 53 bar. Therefore a routine pressure test is not required. See table in the annexe.

The 1088 Instrument Housings are similar to the 1080 series with the exception of the internal volume which is 200 cubic cm and is not painted. See table in the annexe.

Refer to the Annexe for additional information and Conditions of Manufacture.

SCHEDULE OF LIMITATIONS:

1. Warning: potential electrostatic charging hazard - see instructions



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0006U**

Page 4 of 4

Date of issue: 2021-09-17

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 4, recognises the following changes; refer to the certificate annex to view a comprehensive history:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2011 Edition 6.0 is replaced by IEC 60079-0:2017 Edition 7.0,
2. Amendment to the markings and schedule of limitations to update/address electrostatic assessment for build-up of electrostatic charge for Group III.

Annex:

[IECEX SIR 09.0006U Iss 4 Annexe.pdf](#)