



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.: issue No.:

Status:

Date of Issue: **2009-03-13** Page 1 of 3

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

Electrical Apparatus: **Series 1080 and 1088 Instrument Housings**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC Gb
Ex tb IIIC Db IP68
Ta = -40°C to 85°C**

Approved for issue on behalf of the IECEx Certification Body: **D R Stubbings BA MIET**

Position: **Certification Manager**

Signature:
(for printed version)

Date:

2009-03-13

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

Certificate issued by:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEX SIR 09.0006U

Date of Issue: 2009-03-13

Issue No.: 0

Page 2 of 3

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

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 electrical 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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1 : 2007-04
Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 61241-1 : 2004
Edition: 1 | Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD" |

*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:

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

Quality Assessment Report:

[GB/SIR/QAR07.0040/00](#)



IECEX Certificate of Conformity

Certificate No.: IECEX SIR 09.0006U

Date of Issue: 2009-03-13

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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

CONDITIONS OF CERTIFICATION: NO