



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

Certificate No.: IECEx SIR 08.0091X issue No.:1  
Status: **Current**  
Date of Issue: **2012-02-08** Page 1 of 4

Certificate history:  
Issue No. 1 (2012-2-8)  
Issue No. 0 (2009-2-19)

Applicant: **International Metal Engineering PTE Ltd**  
Blk 13 Toa Payoh Lorong 8  
#06-05, Braddell Tech Park  
**Singapore**

Electrical Apparatus: **8080 Range of Indicators and Transmitters**  
*Optional accessory:*

Type of Protection: **Flameproof and Dust**

Marking: Ex d I Mb or Ex d IIC T6 Gb  
And  
Ex tb IIC T85°C Db IP68  
Ta = -40°C to +60°C

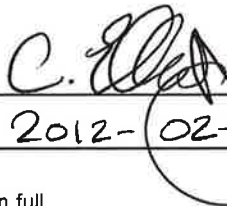
*Approved for issue on behalf of the IECEx  
Certification Body:*

C Ellaby

*Position:*

Deputy Certification Manager

*Signature:  
(for printed version)*

  
\_\_\_\_\_  
2012-02-08

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

Certificate issued by:

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

**sira**  
CERTIFICATION



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Manufacturer: **International Metal Engineering PTE Ltd**  
Blk 13 Toa Payoh Lorong 8  
#06-05, Braddell Tech Park  
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** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5  
**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 6  
**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

*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/ExTR09.0001/00](#)

[GB/SIR/ExTR12.0026/00](#)

##### Quality Assessment Report:

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

[GB/SIR/QAR07.0040/01](#)

[GB/SIR/QAR07.0040/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The 8080 Range are cylindrical single compartment enclosures comprising a base and cover with a maximum internal volume of 280 cm cubed. The enclosures are manufactured from cast aluminium or stainless steel. Some cast aluminium versions are painted with epoxy paint. The cover may be blank or have a window fitted. Each enclosure may have up to 3 conduit openings, these conduit openings may be a combination of 1/2" NPT, 3/4" NPT, 1/2" BSP, M16 x 2, M20 x 1.5. The enclosures may contain equipment limited to a maximum power dissipation of 2.2W. The stainless steel version of the 8080 range may also be used in Mining applications

The Manufacturer shall note the following condition of manufacture:

1. The 8080 enclosures, which are made from cast aluminium and fitted with a window assembly, shall be subjected to a routine overpressure test of 17.2 bar for at least 10 seconds as required by clause 16 of IEC 60079-1 and EN 60079-1. There shall be no leakage, permanent deformation or damage.
2. These enclosures shall not be fitted with batteries or any means for the user to install such devices

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. Only the stainless steel version of the 8080 enclosures can be used as Mining equipment.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:	
1	The addition of information to label drawings that shows specific model numbers, corresponding electrical ratings and marking relevant to other approvals.
2	The arrangement of the internal parts was clarified.
3	The addition of a Condition of Manufacture that excludes the use of batteries.
4	It was recognised that the equipment complies with IEC 60079-31:2008 Ed 1.