



# 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.:  issue No.:  Certificate history:

Status:

Date of Issue:  Page 1 of 3

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

Electrical Apparatus: **8092 Range Of Indicators and Transmitters**  
Optional accessory:


Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC T5**  
**Ex tD A21 T100°C IP66**  
**(Ta = -40°C to +70°C)**  
**Or**  
**Ex d IIC T6**  
**Ex tD A21 T85°C IP66**  
**(Ta = -40°C to +65°C)**

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

Position: Certification Officer

Signature:  
(for printed version)

  
\_\_\_\_\_  
2010-11-24  
\_\_\_\_\_

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





# IECEx Certificate of Conformity

Certificate No.: IECEx SIR 10.0142

Date of Issue: 2010-11-24

Issue No.: 0

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

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> 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/ExTR10.0278/00](#)

Quality Assessment Report:

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



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## Schedule

### EQUIPMENT:

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

The 8092 Range Of Indicators and Transmitters are cylindrical single compartment enclosures comprising a base and threaded cover containing the equipment electronics. The enclosures are manufactured from stainless steel or cast aluminium that may have an epoxy paint coating. The cover may be blind or contain a circular tempered glass window. Each enclosure may have a number of cable entry openings and sizes as detailed in the design options. The 8092 Range Of Indicators and Transmitters have a maximum power rating of 7.5 W.

### Design Options

The 8092 Range Of Indicators and Transmitters may utilise the following entry threadforms

½" NPT  
¾" NPT  
1" NPT  
½" BSP  
M20 x 1.5  
M25 x 1.5  
M27 x 1.5

CONDITIONS OF CERTIFICATION: NO