



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 10ATEX1246.** Issue: **0**

4 Equipment: **8092 Range Of Indicators and Transmitters**

5 Applicant: **International Metal Engineering**

6 Address: **Blk 13 Toa Payoh Lorong 8  
#06-05 Braddell Tech Park  
Singapore 319261**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006          EN 60079-1:2007          EN 61241-0:2006          EN 61241-1:2004

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 G D  
Ex d IIC T5  
Ex tD A21 T100°C IP66  
(Ta = -40°C to +70°C)

Or



II 2 G D  
Ex d IIC T6  
Ex tD A21 T85°C IP66  
(Ta = -40°C to +65°C)

C Ellaby  
Certification Officer

Project Number    22667  
C. Index            12

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX1246  
Issue 0

#### 13 DESCRIPTION OF EQUIPMENT

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 s have a maximum power rating of 7.5 W.

#### Design Options

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

1/2" NPT  
3/4" NPT  
1" NPT  
1/2" BSP  
M20 x 1.5  
M25 x 1.5  
M27 x 1.5

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

| Issue | Date             | Report number | Comment                           |
|-------|------------------|---------------|-----------------------------------|
| 0     | 15 November 2010 | R22667A/00    | The release of prime certificate. |

#### 15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 None

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

#### 17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

# Certificate Annexe

Certificate Number: Sira 10ATEX1246  
Equipment: 8092 Range Of Indicators and Transmitters  
Applicant: International Metal Engineering



## Issue 0

| Drawing     | Sheets | Rev | Date(Sira stamp) | Title                                                               |
|-------------|--------|-----|------------------|---------------------------------------------------------------------|
| 8092-620    | 1 of 1 | -   | 07 Oct 10        | Rec Tag For 8092 Range Of Indicators & Transmitters                 |
| 8092-628    | 1 of 1 | -   | 07 Oct 10        | Rec Tag For 8092 Range Of Indicators & Transmitters                 |
| 8092XX-A-XX | 1 of 1 | -   | 05 Oct 10        | 8092 Range Of Indicators & Transmitters In Alu Instrument Enclosure |
| 8092XX-T-XX | 1 of 1 | -   | 05 Oct 10        | 8092 Range Of Indicators & Transmitters In SS Instrument Enclosure  |

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