1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 08ATEX1227X** Issue: **0**

4 Equipment: **8080 Range Of Indicators and Transmitters**

5 Applicant: **International Metal Engineering Pte Limited**

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:

IEC 60079-0:2007 EN 60079-1:2007 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:

Stainless Steel only

I M2
Ex d I Mb
Ex tb IIIC T85°C Db IP68
Ta = -40°C to +60°C

or

Stainless Steel or Aluminium

II 2G D
Ex d IIC T6 Gb
Ex tb IIIC T85°C Db IP68
Ta = -40°C to +60°C

Project Number 51L18028
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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 08ATEX1227X**
Issue 0

13 **DESCRIPTION OF EQUIPMENT**

The 8080 Range are cylindrical single compartment enclosures comprising a base and cover with a maximum internal volume of 280 cm^3. 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 ½" NPT, ¾" NPT, ½" 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 Group I applications.

14 **DESCRIPTIVE DOCUMENTS**

14.1 **Drawings**

Refer to Certificate Annexe.

14.2 **Associated Sira Reports and Certificate History**

Issue	Date	Report No.	Comment
0	17 February 2009	R51A18028A	The release of the prime certificate.

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

15.1 Only the stainless steel version of the 8080 enclosures can be used as Group I equipment.

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.

17.3 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.

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