



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.: IECEx SIR 10.0102U issue No.:0 Certificate history:

Status: Current

Date of Issue: 2010-07-14 Page 1 of 3

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

Electrical Apparatus: **8117P* Range of Enclosures**
Optional accessory:


Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC Gb**
Ex tb IIIC Db IP68

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

Position: Certification Officer

Signature:
(for printed version)


2010-07-14

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
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 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 60079-30-1 : 2007-01 Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
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/ExTR10.0155/00](#)

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 8117P* instrument enclosure, which has a maximum internal volume of 1 800 cm³, is a cylindrical, single compartment enclosure comprising a base and cover. The enclosures are manufactured from cast aluminium with an epoxy paint finish. The enclosures cover may be solid or contain a circular tempered glass window. Each enclosure may have up to four conduit openings with entry sizes selected from 1/2" NPT, 3/4" NPT, 1/2" BSP or M20x1.5.

Reference	Material of construction	Option
8117PB	Aluminium, epoxy coated	Blind cover
8117PD	Aluminium, epoxy coated	Window cover

The user/installer shall comply with the following special point for noting:

These component enclosures shall only be used within the temperature range of -40°C to +85°C.

CONDITIONS OF CERTIFICATION: NO