



# 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 CML 18.0015U

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-02-08\)](#)

Status: **Current**

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Date of Issue: **2018-02-08**

Applicant: **Shimada Electric Co. Ltd**  
2-29-6 Nakaikagami  
Ohta-ku  
Tokyo  
Japan

Equipment: **S1300 Series Explosion-proof Boxes**  
Optional accessory:

Type of Protection: **Increased Safety; Protection by Enclosure**

Marking:  
Ex e IIC Gb  
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx  
Certification Body:

A C Smith

Position:

Technical Operations Director

Signature:  
(for printed version)

Date:

2018-02-08

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](#).

Certificate issued by:

**Certification Management Limited**  
Unit 1, Newport Business Park  
New Port Road  
Elsesmere Port, CH65 4LZ  
United Kingdom





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Manufacturer: **Shimada Electric Co. Ltd**  
2-29-6 Nakaikegami  
Ohta-ku  
Tokyo  
**Japan**

Additional 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 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/CML/ExTR18.0016/00](#)

Quality Assessment Report:

[CN/CQM/QAR12.0002/03](#)



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## Schedule

### EQUIPMENT:

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

The S1300 Series Explosion-proof Boxes are manufactured from stainless steel or carbon steel with one or more non-metallic gaskets.

See Annex for detailed description.

**SPECIFIC CONDITIONS OF USE: NO**

### Annex:

[IECEX CML 18-0015U Issue 0.pdf](#)

**Annexe to:** IECEx CML 18.0015U Issue 0  
**Applicant:** Shimada Electric Co. Ltd  
**Apparatus:** S1300 Series Explosion-proof Boxes



## Description

The S1300 Series Explosion-proof Boxes are manufactured from stainless steel or carbon steel with one or more non-metallic gaskets. The carbon steel is coated with epoxy powder. Parts of the empty enclosure type S1300 are an enclosure housing, an enclosure lid and optionally of one or more gland plates for the mounting of cable glands. The enclosure housing and the enclosure lid are made of folded and welded stainless steel plates. The non-metallic gaskets are placed between the enclosure housing and the enclosure lid and in case of the optional gland plates between the enclosure housing and each gland plate. The lid is mounted to the housing by use of screws.

The housing is made of stainless steel. Optionally, the fasteners may be screws or rotary latches and pin axes. Two or more enclosures may be joined direct together and sealed with sealing connection boards.

## Schedule of Limitations

- i. Rated service temperature range
  - 55°C to +115°C, when the material of the sealing strip is silicon rubber (gray) and the connection boards are not used for S1300;
  - 55°C to +90°C, when the material of the sealing strap is silicon rubber (gray) and the connection boards are used for connection boards;
  - 40°C to +60°C, when the material of the sealing strip is foaming polyurethane..
- ii. Only the suitably certified cable glands can be used for fixing cables. The unused holes must be closed by the suitably certified plugs.
- iii. The empty enclosure with a coating of epoxy powder must not be used in areas affected by charge producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust to avoid electrostatic discharge.

