



# 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 BAS 13.0079** issue No.: **0** Certificate history: .....

Status: **Current**

Date of Issue: **2013-10-17** Page 1 of 3

Applicant: **Gems Sensors**  
Lennox Road  
Basingstoke  
Hampshire  
RG22 4AW  
United Kingdom

Electrical Apparatus: **Pressure Transducer type: 3XIS series**  
Optional accessory:

Type of Protection: **Intrinsic Safety**

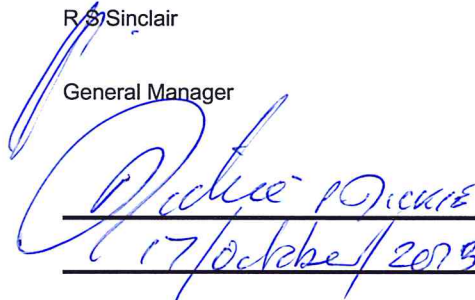
Marking: **Ex ia IIB T4 Ga (-40°C ≤ Ta ≤ +80°C)**

Approved for issue on behalf of the IECEx Certification Body: **R Sinclair**

Position: **General Manager**

Signature:  
(for printed version)

Date:

  
17 October 2013

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:

**SGS Baseefa Limited**  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 13.0079

Date of Issue: 2013-10-17

Issue No.: 0

Page 2 of 3

Manufacturer: **Gems Sensors**  
Lennox Road  
Basingstoke  
Hampshire  
RG22 4AW  
**United Kingdom**

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:

**IEC 60079-0 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*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/BAS/ExTR10.0230/01

Quality Assessment Report:

GB/BAS/QAR13.0010/00



# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 13.0079

Date of Issue: 2013-10-17

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

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

The Pressure Transducer type: 3XIS series is used to convert the pressure applied to the sensing element into a voltage output.

The 3XIS Series comprises of a stainless steel sensing element mounted onto a stainless steel process connector with strain gauges fitted on the non-process side of the diaphragm which are connected to the conditioning electronics. The conditioning electronics are then contained within a stainless steel can which is welded to the process connector. The conditioning electronics are sealed against ingress to a minimum level of IP 54 by the welded can and electrical connection (rubber seal, moulded plastic connector or cable gland, depending on type).

Electrical connections are made to the 3XIS series by means of either a standard electrical connector (M12 or GDS etc) or a conduit fitting with a glanded cable attached to the rear of the stainless steel can.

### CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.