



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 BAS 15.0153X issue No.:2

Status: Current

Certificate history:
Issue No. 2 (2016-10-25)
Issue No. 1 (2016-7-6)
Issue No. 0 (2016-6-28)

Date of Issue: 2016-10-25 Page 1 of 4

Applicant: **Impress Sensors and Systems Limited**
Regency House,
22-25 Kingsclere Park,
Berkshire,
RG20 4SW
United Kingdom

Equipment: ExIND / ExIND(LR) / ExIND(SF) / ExIMSL / ExIMTG Series Pressure Sensors
Optional accessory:

Type of Protection: Intrinsic Safety

Marking: Ex ia IIC T4 Ga
(Tamb = See Schedule)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair *PP O'BRIENLEY*

Position: Technical Manager

Signature:
(for printed version)

O'Brienley

25/10/16

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:

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





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Manufacturer: **Impress Sensors and Systems Limited**
Regency House,
22-25 Kingsclere Park,
Kingsclere,
Berkshire,
RG20 4SW
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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 6.0

*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/ExTR15.0351/00

GB/BAS/ExTR16.0187/00

GB/BAS/ExTR16.0292/00

Quality Assessment Report:

GB/BAS/QAR16.0011/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ExIND / ExIND(LR) / ExIND(SF) / ExIMSL / ExIMTG Series Pressure Sensors are a range of different products utilising a number of pressure sensing media within a range of housings constructed from either 303/316L Stainless Steel or Hastelloy having an output 4-20mA signal proportional to the measured pressure.

Electrical connections will be made either using a plug and socket, or via a fixed cable.

Input Parameters.

The following entity parameters apply to all models:

$U_i = 28V$

$I_i = 93mA$

$P_i = 650mW$

For full breakdown of the range of sensors and ambient temperature ranges please see Annex.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Parts of the enclosure are plastic which may present an electrostatic hazard and must not be rubbed or cleaned with a dry cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 2.1

To permit the use of alternative versions of the ASIC PCB and two Schottky diode PCB's in addition to those already fitted in the equipment. The use of these alternative boards does not affect the original assessment.

Variation 2.2

To permit minor assembly drawing changes not affecting the original assessment.

ExTR: GB/BAS/ExTR16.0292/00

File Reference: 16/0735