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 16.0119 issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2016-11-09**	Page 1 of 3

Applicant:

Hansford Sensors Limited
Artisan,
Hillbottom Road,
Sands Industrial Estate,
Bucks,
HP12 4HJ
United Kingdom

Equipment:
Optional accessory:

Junction Box Type HS-ICExxx-ss

Type of Protection:

Intrinsic Safety

Marking:

Ex ia IIC T4 / T5 / T6 Ga
(-40°C ≤ Ta ≤ +130°C / +95°C / +80°C)

Approved for issue on behalf of the IECEx Certification Body:

R S Sinclair PP DBrearley

Position:

Technical Manager

Signature:
(for printed version)

Date:

9/11/16

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 16.0119

Date of Issue: **2016-11-09** Issue No.: **0**

Manufacturer: **Hansford Sensors Limited**
Artisan,
Hillbottom Road,
Sands Industrial Estate,
Bucks,
HP12 4HJ
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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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/ExTR16.0321/00

Quality Assessment Report:

GB/BAS/QAR07.0040/06

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Schedule

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

The Junction Box Type HS-ICExxx-ss provides a means of terminating Accelerometers into individual sets of spring-cage terminals and provides a means of connecting a portable reading device to each individual accelerometer, by means of a corresponding BNC connector.
The Junction Box Type HS-ICExxx-ss consists of a stainless steel enclosure measuring approximately 200mm x 200mm x 150mm (H x W x D), where xxx = 001 – 012 and 400mm x 300mm x 150mm (H x W x D), where xxx = 013 – 024; with a lockable hinged door on the front face. Inside the enclosure; mounted on the back face is a PCB with sets of spring-cage terminals and BNC connectors. The xxx in the type number equates to the number of sets of spring-cage terminals and BNC connectors present.
The absolute maximum entity parameters of the BNC connectors are as follows:

Ui = 30V
Ii = 150mA
Pi = 1.0W

The entity parameters of the junction box spring-cage terminals shall be the same as the portable reading device and accelerometers connected to it.

SPECIFIC CONDITIONS OF USE: NO