1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3	EU - Type Examination Certificate Number:	**Baseefa16ATEX0157 – Issue 1**
4	Product:	**Connection Enclosure HS-ICExxx-SS**
5	Manufacturer:	**Hansford Sensors Limited**
6	Address:	**Artisan, Hillbottom Road, Sands Industrial Estate, Bucks, HP12 4HJ**

7 This re-issued certificate extends EU Type Examination Certificate No. BaseefayyATEXnnnnX to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **See certificate history**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013 EN 60079-11:2012

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

Ⓔx II 1G Ex ia IIC T4 / T5 / T6 Ga (-40°C ≤ Ta ≤ +130°C / +95°C / +80°C)

SGS Baseefa Customer Reference No. **5943** Project File No. **16/0718**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 # Schedule

14 ## Certificate Number Baseefa16ATEX0157 – Issue 1

15 Description of Product

The Connection Enclosure 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 Connection Enclosure 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 connection enclosure spring-cage terminals shall be the same as the portable reading device and accelerometers connected to it.

16 Report Number

See certificate history

17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product:

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
M06-065-B	1 to 9	B	30/11/2016	General Arrangement and Product Information for HS-ICE Series Enclosures

These drawings are also associated and held with IECEx BAS 16.0119.

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
P01-062-A	1 of 1	C	18/10/2016	12 Way Connection PCB No. 1 – 12 Track Layout
P01-062-B	1 of 1	C	18/10/2016	12 Way Connection PCB No. 13 – 24 Track Layout

These drawings are also associated and held with IECEx BAS 16.0119.

20 Certificate History

Certificate No.	Date	Comments
Baseefa16ATEX0157	9 November 2016	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2012 is documented in Test Report No. GB/BAS/ExTR16.0321/00.
Baseefa16ATEX0157 Issue 1	1 December 2016	This issue of the certificate incorporates previously issued primary certificate into one certificate and documents the Change of name and type of the product from "Junction Box Type HS-ICExxx-ss" to "Connection Enclosure HS-ICExxx-SS". The associated test and assessment is documented in Test Report No. GB/BAS/ExTR16.0321/01.
For drawings applicable to each issue, see original of that issue.		