

EU - TYPE EXAMINATION CERTIFICATE

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

- 1 EU - Type Examination Certificate Number: **Baseefa16ATEX0157**
- 2 Product: **Junction Box Type HS-ICExxx-ss**
- 3 Manufacturer: **Hansford Sensors Limited**
- 4 Address: **Artisan, Hillbottom Road, Sands Industrial Estate, Bucks, HP12 4HJ**
- 5 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 6 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.
- 7 The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR16.0321/00**
- 8 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013 EN 60079-11:2012
- 9 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 :
- Ex 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**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail baseefa@sgs.com web site www.sgs.co.uk/baseefa

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN



R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa16ATEX0157

15 Description of Product

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:

$U_i = 30V$

$I_i = 150mA$

$P_i = 1.0W$

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

16 Report Number

GB/BAS/ExTR16.0321/00

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, and conformity is demonstrated in the report:

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

Number	Sheet	Issue	Date	Description
M06-065-A	1 to 9	A	04/10/2016	General Arrangement and Product Information for HS-ICE Series Enclosures
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.