

## SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

### Component Intended for use on/in an Equipment

### Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC

- 3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX7185U/8**
- 4 Component: **8202-HO-IS, 8-Channel IS AO, 4-20mA with HART**
- 5 Manufacturer: **GE Intelligent Platforms**
- 6 Address: **2500 Austin Drive, Charlottesville, Virginia 22911, USA**
- 7 This supplementary certificate extends EC - Type Examination Certificate No. BAS01ATEX7185U to apply to components 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 Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2012 EN 60079-11: 2012**  
except in respect of those requirements listed at item 18 of the Schedule."
- 9 The marking of the equipment has changed from the original Certificate and shall include the following:
- Ex II (1)GD [Ex ia Ga] IIC (-40°C ≤Ta ≤+70°C)**  
**[Ex ia Da] IIC (-40°C ≤Ta ≤+70°C)**

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **6623**

Project File No. **11/0389**

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### SGS Baseefa Limited

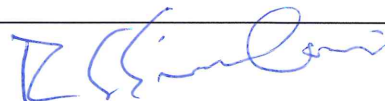
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R S SINCLAIR  
GENERAL MANAGER

On behalf of SGS Baseefa Limited

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## Schedule

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Certificate Number BAS01ATEX7185U/8

### 15 Description of the variation to the Component

#### Variation 8.1

To confirm that the 8202-HO-IS, 8-Channel IS AO, 4-20mA with HART complies with the requirements of EN 60079-0: 2012 and EN 60079-11: 2012, may be dual marked with the IECEx Certificate number and may be marked with the code:-

⊕ II (1) GD [Ex ia Ga] IIC (-40°C ≤Ta ≤+70°C)  
[Ex ia Da] IIIC (-40°C ≤Ta ≤+70°C)

The input parameters remain as stated on the original certificate but the following notes apply:-

The Group IIB parameters are also applicable for [Ex ia Da] IIIC applications.

#### Notes

- 1) The Load Parameters shown apply when either of the two conditions below are met:-
  - the total  $L_i$  of the external circuit (excluding the cable) is <1% of the  $L_o$  value or
  - the total  $C_i$  of the external circuit (excluding the cable) is <1% of the  $C_o$  value.
- 2) The Load Parameters must be reduced to 50% of the values shown when both of the two conditions below are met:-
  - the total  $L_i$  of the external circuit (excluding the cable) is ≥% of the  $L_o$  value or
  - the total  $C_i$  of the external circuit (excluding the cable) is ≥% of the  $C_o$  value.

The reduced capacitance of the external circuit including the cable shall not be greater than 1μF for Groups IIB, IIA and 600nF for Group IIC.

#### Variation 8.2

To permit the HART Signalling to be disabled in the firmware of the 8202-HO-IS Module and for the module formed to be called an 8204-AO-IS, 8-Channel IS AO, 4-20mA Module. The Certification Code, the input and output parameters, the load parameters and the Schedule of Limitations for the 8204-AO-IS, 8-Channel IS AO, 4-20mA Module are identical to the 8202-HO-IS Module.

### 16 Report Number

GB/BAS/ExTR12.0030/00

### 17 Schedule of Limitations

1. Each output channel must be considered as a separate intrinsically safe circuit which must be segregated from all other circuits by the requirements of Table 5 of EN 60079-11: 2012.
2. This module must be mounted with suitable connection facilities such that the output connectors are provided with a degree of protection of at least IP20.
3. Plugs and sockets for external connections must be designed such that incorrect connections or interchangeability with in-appropriate field connections is prevented.
4. This module must be segregated from any other Non-IS or IS circuits, by the requirements of Table 5 of EN 60079-11: 2012.

**18 Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

**19 Drawings and Documents**

Number	Sheet	Issue	Date	Description
CI8202	1 to 18	6	11.12	8202-HO-IS 8 - Channel Analogue Output 4-20mA with HART
CI8202-1	1 of 3	9	06.13	8202-HO-IS Analogue Output, 4-20mA, with HART List of Components Essential to Intrinsic Safety. Top PCB
CI8202-1	2 of 3	9	06.13	8202-HO-IS Analogue Output, 4-20mA, with HART List of Components Essential to Intrinsic Safety. Middle PCB
CI8202-1	3 of 3	9	06.13	8202-HO-IS Analogue Output, 4-20mA, with HART List of Components Essential to Intrinsic Safety. Bottom PCB
CI8202-5	1 of 1	2	11.12	8202-HO-IS Analogue Output 4-20mA with HART General Assembly
CI8202-2	1 of 2	6	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Top PCB Track Layout
CI8202-2	2 of 2	6	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Top PCB Component Layout
CI8202-3	1 of 2	5	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Middle PCB Track Layout
CI8202-3	2 of 2	5	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Middle PCB Component Layout
CI8202-4	1 of 2	6	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Bottom PCB Track Layout
CI8202-4	2 of 2	6	11.12	8202-HO-IS 8-Channel Analogue Output, 4-20mA, with HART Bottom PCB Component Layout
CI8000-15	1 & 2	3	5.10	MTL EFD20 I.S. Transformer. TFR407
CI8200-15	1	3	09.12	Optional Encapsulants
CI8202-6	1	2	11.12	8202-HO-IS Certification Label Details - Baseefa
CI8204-1	1	4	06.13	8204-AO-IS Certification Label Details - Baseefa

These drawings are common to and are held with IECEx BAS 12.0025U.