

SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0098/4**
- 4 Equipment or Protective System: **A Type 5550 Vibration Switch**
- 5 Manufacturer: **Metrix Instrument Company**
- 6 Address: **8824 Fallbrook Drive, Houston, Texas 77064, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0098** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0708**

Project File No. **14/0150**

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PR S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

METRIX DOC NO: 1187250
REV: C

13 **Schedule**

14 **Certificate Number Baseefa10ATEX0098X/4**

15 **Description of the variation to the Equipment or Protective System**

Variation 4.1

To confirm that cover fasteners of grade A2-70, A2-80 and A4-70, A4-80 are permitted.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR14.0089/00

17 **Specific Conditions of Use**

None

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
9006-IECEX-AGENCY	1 to 12	B	-	5550 VIBRATION SWITCH IECEX CERTIFICATION REQUIREMENTS

The above drawing is common to Baseefa10ATEX0098/4 and IECEX BAS 10.0020/4 and is held with the latter.



The following pages are the prior revisions of this certificate.

SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0098/3**
- 4 Equipment or Protective System: **A Type 5550 Vibration Switch**
- 5 Manufacturer: **Metrix Instrument Company**
- 6 Address: **8824 Fallbrook Drive, Houston, Texas 77064, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0098** to apply to equipment or protective systems 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:
- EN60079-0: 2012 EN60079-1: 2007 EN60079-31: 2009**
- 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 2GD Ex d IIB + H2 T6 Gb Ta -40°C to + 70°C**
- Ex tb IIIC T85°C Db Ta -40°C to + 70°C IP66**

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0708**

Project File No. **13/0162**

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RS Sinclair

R S SINCLAIR *PP DBREARLEY*
GENERAL MANAGER

On behalf of SGS Baseefa Limited

METRIX DOC NO: 1187250
REV: B

13

Schedule

14

Certificate Number Baseefa10ATEX0098/3

15 Description of the variation to the Equipment or Protective System

Variation 3.1

To permit a modification to the position of the reset shaft position.

Variation 3.2

To assess the apparatus against the requirements of EN60529 for IPx6.

Variation 3.3

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN60079-0: 2012, EN60079-1: 2007 and EN60079-31: 2009 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment other than the product marking. The product will now be marked as shown in point 9 above.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR13.0184/00

17 Specific Conditions of Use

None

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
9006-IECEX-AGENCY	1 to 12	A	-	5550 VIBRATION SWITCH IECEX CERTIFICATION REQUIREMENTS

The above drawing is common to Baseefa10ATEX0098/3 and IECEX BAS 10.0020 and is held with the latter.

Note:- Drawing number 9006-IECEX is no longer a certified drawing.



The following pages are the prior revisions of this certificate.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0098/2**

4 Equipment or Protective System: **A Type 5550 Vibration Switch**

5 Manufacturer: **Metrix Instrument Company**

6 Address: **8824 Fallbrook Drive, Houston, Texas 77064, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0098** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0708**

Project File No. **11/0357**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa10ATEX0098/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

Optional use of alternative fasteners in stainless steel grade A4-80, or stronger.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0119/00

17 Special Conditions for Safe Use

None

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	Issue	Date	Description
9006-IECEX Sheets 1 to 12	C	-	G.A. Type 5550 Vibration Switch and Options.

Drawings are common to IECEx BAS 10.0020, and are held on that file.

The following pages are the prior revisions of this certificate.



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0098/1**
- 4 Equipment or Protective System: **A Type 5550 Vibration Switch**
- 5 Manufacturer: **Metrix Instrument Company**
- 6 Address: **8824 Fallbrook Drive, Houston, Texas 77064, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0098** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

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Baseefa Customer Reference No. **0708**

Project File No. **10/0889**

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pp R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa

METRIX DOC NO: 1187250
REV: A



13

Schedule

14

Certificate Number Baseefa10ATEX0098/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Change of internal thermistors.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0274/00

17 Special Conditions for Safe Use

None

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	Issue	Date	Description
9006-IECEX Sheets 1 to 12	B	-	G.A. Type 5550 Vibration Switch and Options.



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa10ATEX0098**

4 Equipment or Protective System: **A Type 5550 Vibration Switch**

5 Manufacturer: **Metrix Instrument Company**

6 Address: **8824 Fallbrook Drive, Houston, Texas 77064, USA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. **GB/BAS/ExTR10.0034/00**

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

EN60079-0: 2009

EN60079-1: 2007

EN60079-31: 2008

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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

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

12 The marking of the equipment or protective system shall include the following :

Ex II 2GD Ex d IIB + H₂ T6 Ta -40°C to + 70°C Gb Ex tb IIIC T85°C Ta -40°C to + 70°C Db IP65

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0708**

Project File No. **10/0037**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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On behalf of
Baseefa

METRIX DOC NO: 1187250
REV: A



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Schedule

14

Certificate Number Baseefa10ATEX0098

15 Description of Equipment or Protective System

A Type 5550 Vibration Switch comprises a rectangular enclosure and flat flanged cover, both manufactured from aluminium alloy.

The unit houses a trip switch, one or two microswitches and the option of a solenoid coil for remote re-setting of the trip switch. The cover which is attached by four grade A2-80 stainless steel fasteners, has two operating shafts for adjustment of the trip switch setting and manual re-setting of the trip switch.

The micro switches are each rated up to 480Va.c. 15A, and the coil when fitted is rated up to 230Va.c. 1A, or 24Vd.c. 3A.

An M20 or ¾" NPT cable entry hole is provided for the accommodation of a flameproof cable entry device, with or without the interposition of a flameproof thread adapter.

The cable entry device and thread adapters if used shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0034/00

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
9006-IECEX	1	A	02.24.10	General Details
9006-IECEX	2	A	02.24.10	General Assembly
9006-IECEX	3	A	02.24.10	Cover Details
9006-IECEX	4	A	02.24.10	Enclosure Material Specification
9006-IECEX	5	A	02.24.10	Base Details
9006-IECEX	6	A	02.24.10	Cable Entry Details
9006-IECEX	7	A	02.24.10	Type Code Details
9006-IECEX	8	A	02.24.10	Internal Circuit Diagram
9006-IECEX	9	A	02.24.10	Internal Assembly
9006-IECEX	10	A	02.24.10	Seal Material Specification
9006-IECEX	11	A	02.24.10	Seal Material Specification
9006-IECEX	12	A	02.24.10	Certification Label