

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EU - Type Examination Certificate Number: **Baseefa10ATEX0177/2X**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **A Type 5550G Vibration Switch**

5 Manufacturer: **Metrix Instrument Co.**

6 Address: **8824 Fallbrook, Houston, Texas, 77064, United States of America**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0177** to apply to products 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 the product, as modified by this supplementary certificate, 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.

9 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018 EN 60079-1: 2014 EN 60079-31:2014

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

12 The marking of the equipment has changed from the original Certificate and shall include the following:

**⊕ II 2 GD Ex db IIC T6 Gb (Ta -40°C to +70°C)
Ex tb IIIC T85°C Db IP66**

SGS Baseefa Customer Reference No. **0708**

Project File No. **20/0188**

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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/sgsbaseefa

Registered in England No. 4305578.

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



M POWNEY
Certification
Manager

R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

METRIX DOC NO: 1187241

REV: C

13 **Schedule**

14 **Certificate Number Baseefa10ATEX0177/2X**

15 **Description of the variation to the Product**

Variation 2.1

The equipment covered by this certificate has been reviewed against the additional design and test requirements of EN IEC 60079-0: 2018, EN 60079-1: 2014 and EN 60079-31: 2014 and compliance is confirmed.

The equipment may be marked: -

Ex db IIC T6 Gb (Ta -40°C to +70°C)

Ex tb IIIC T85°C Db IP66

Variation 2.2

To introduce the Specific Condition of Use number 1.

16 **Report Number**

SGS Baseefa test report GB/BAS/ExTR20.0098/00.

17 **Specific Conditions of Use**

1. Potential electrostatic charging hazard – see instructions.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is affected as follows.

Clause	Subject	Compliance
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
1065138-AGENCY	1	B	xx.xx.xx	Assembly / Marking Dwg, 5550 IIC, Agency

The above drawing is common to Baseefa10ATEX0177X and IECEx BAS 10.0095X and is held on the latter.



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: **Baseefa10ATEX0177/1**

4 Equipment or Protective System: **A Type 5550G 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. **Baseefa10ATEX0177** 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:

⊕ II 2GD Ex d IIC 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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SGS Baseefa Limited

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

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

e-mail info@baseefa.com web site www.baseefa.com

Registered in England No. 4305578.

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



R S SINCLAIR *PP DOREAVLEY*

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa10ATEX0177/1

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

Variation 1.1

To note a change of equipment name from 'Type 5550 Vibration Switch' to 'Type 5550G Vibration Switch'.

Variation 1.2

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
1065138-AGENCY	1 of 1	A	-	ASSEMBLY/MARKING DWG 5550 IIC, AGENCY

The above drawing is common to Baseefa10ATEX0177/1 and IECEx BAS 10.0095 and is held with the latter.

Note:- Drawing number 1065138 is no longer a certified drawing.



The following pages are the prior revisions of this certificate.



EC - TYPE EXAMINATION CERTIFICATE

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

EC - Type Examination Certificate Number: **Baseefa10ATEX0177**

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

Manufacturer: **Metrix Instrument Company**

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

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

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/ExTR10.0201/00**

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

EN60079-0: 2009 EN60079-1: 2007 EN61241-0: 2006 EN61241-1: 2004

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

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.

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.

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

Ex II 2GD Ex d IIC T6 (Ta -40°C to + 70°C) Gb Ex tD A20 IP66

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

Baseefa Customer Reference No. **0708**

Project File No. **10/0472**

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.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

METRIX DOC NO: 1187241
REV: A

METRIX DOC NO: 1187241
REV: A



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Schedule

14

Certificate Number Baseefa10ATEX0177

15 Description of Equipment or Protective System

A Type 5550 Vibration Switch comprises a rectangular enclosure and threaded cover to DEMKO07ATEX0622294U. The base has provision for two cable entries, and houses a trip switch, one or two microswitches and the option of a solenoid coil for remote 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.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs 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.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0201/00

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
1065138	1	A	08.24.10	General Assembly
100282	1	B	05.04.10	Housing Modified
100296	1	A	07.19.10	Nameplate