

1 **TYPE EXAMINATION CERTIFICATE**

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

3 Type Examination Certificate Number: **Baseefa11ATEX0139X – Issue 3**

3.1 In accordance with Article 41 of Directive 2014/34/EU, 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 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: **Series 10,000 Probe**

5 Manufacturer: **Metrix Instrument Co.**

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

7 This re-issued certificate extends Type Examination Certificate No. Baseefa11ATEX0139X 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 Fimko Oy certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products of Category 3 intended for use in potentially explosive atmospheres given in Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

8.1 The original certificate was issued by SGS Baseefa Ltd. It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy. The original certificate number is retained.

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 IEC 60079-0:2018 EN IEC 60079-7:2018 EN 60079-15:2010

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

12 The marking of the product shall include the following:

 **See Schedule**

SGS Fimko Oy Customer Reference No. **0708**

Project File No. **19/0328**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/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 their 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.

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Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

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Schedule

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Certificate Number Baseefa11ATEX0139X – Issue 3

15 Description of Product

The Series 10,000 Probe consists of a coil wound on to a plastic or ceramic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version.

An integral coaxial or triaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a connector for mating with the Probe Driver.

An extension cable Type 7402 may be fitted between the Probe and the Probe Driver (Baseefa03ATEX0205X). The maximum length of the integral cable and extension cable is 10m and the cables may be provided with armoured protection.

Additionally, the Series 10,000 Probe may be combined with the following accessories:

- 5494LP Low Pressure Feed Through
- 5495-XXX Forward mount Probe Holder
- 5497DTPH Dual Thrust Probe Holder (2x Series 10,000 Probes)
- 5497PM Probe Mounting System (1x Series 10,000 Probe)
- 5498JB [Conduit Body] Junction Box

Supply voltage: 28V

The marking of the product shall include the following:

- ⊕ II 3 G Ex ec IIC T3 Gc or Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)
- ⊕ II 3 G Ex ec IIC T4 Gc or Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)

16 Report Number

See Certificate History

17 Specific Conditions of Use

1. The Series 10,000 Probe must be located in an area of not more than pollution degree 2, as defined in IEC 60664-1. Additionally, the connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.
2. Provision must be made, external to the Series 10,000 Probe, to ensure that the rated input is not exceeded by more than 40%.

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	Compliance
1.2.7	LVD type requirements	Manufacturer responsibility
1.2.8	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
10000-AGENCY	1 & 2	H	05/22/03	Assy, Proximity Probes
100971-IECEX	1 & 2	A	12/19/19	Nameplate, 5497PM, 5497DTPH, 5498JB, 5494LP
1847869	1 of 1	C	04-18-18	Outline & Dimension 5497DTPH Dual Thrust Probe Holder
1847913	1 – 4	B	04/19/18	Outline & Dimension 5497PM-X-X-XXX-X-1
1848854	1 of 1	B	1/16/19	Outline & Dimension 5494LP, Low Pressure Feed Through
1849828	1 of 1	B	04/23/18	Outline & Dimension 5498JB Junction Box with LPFT
1894169	1 of 1	A	03/19/20	Outline & Dimension 5495-XXX, Forward mount, Probe Holder

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
1158690	1 of 1	D	02-20-13	Proximity Probe Series Designations

All drawings are common to IECEx BAS 11.0065X & IECEx BAS 11.0066X and are held with IECEx BAS 11.0065X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0139X	29 January 2013	The release of the prime certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR11.0237/00. Project File No. 11/0069.
Baseefa11ATEX0139X Issue 1	8 February 2016	This issue of the certificate permits the introduction of a triaxial cable option, introduces a temperature classification T4 variant, updates the specific conditions of safe use and confirms the current design meets the requirements of EN 60079-0:2012+A11:2013. Test Report No. GB/BAS/ExTR16.0047/00. Project File No. 16/0142.
Baseefa11ATEX0139X Issue 2	21 November 2017	To permit minor mechanical changes. Test Report No. GB/BAS/ExTR17.0350/00. Project File No. 17/0388.
Baseefa11ATEX0139X Issue 3	15 May 2023	To permit the introduction of a number of accessories, now included in the description, minor drawing changes and additionally to confirm that the equipment has been assessed against the requirements of EN IEC 60079-0:2018 & EN IEC 60079-7 for Ex ec equipment in respect of the differences from EN 60079-15 for Ex nA equipment. The equipment is now coded Ex ec IIC T3/T4 Gc and retains Ex nA IIC T3/T4 Gc as optional marking. Test Report No. GB/BAS/ExTR21.0121/00. Project File No. 19/0328.

For drawings applicable to each issue, see original of that issue.



The following pages are the prior revisions of this certificate.

1 **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: **Baseefa11ATEX0139X – Issue 2**

4 Equipment or Protective System: **Series 10,000 Probe**

5 Manufacturer: **Metrix Instrument Co.**

6 Address: **8824 Fallbrook, 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 certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No's. **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 60079-15:2010

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

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

 **II 3G Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)**

 **II 3G Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)**

Baseefa Customer Reference No. **0708**

Project File No. **17/0388**

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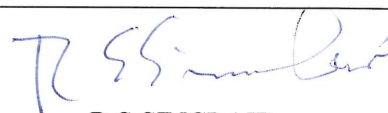
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Registered in England No. 4305578.

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



**R S SINCLAIR
GENERAL MANAGER**

On behalf of SGS Baseefa Limited

**METRIX DOC NO: 1173826
REV: C**

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0139X – Issue 2**

15 **Description of Equipment or Protective System**

The Series 10,000 Probe consists of a coil wound on to a plastic or ceramic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version.

An integral coaxial or triaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a connector for mating with the Probe Driver.

An extension cable may be fitted between the Probe and the Probe Driver. The maximum length of the integral cable and extension cable is 10m and the cables may be provided with armoured protection.

Supply voltage: 28V

16 **Report Number**

See certificate history

17 **Specific Conditions of Use**

1. The Series 10,000 Probe must be located in an area of not more than pollution degree 2, as defined in IEC 60664-1. Additionally, the connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.
2. Provision must be made, external to the Series 10,000 Probe, to ensure that the rated input is not exceeded by more than 40%.

18 **Essential Health and Safety Requirements**

As follows, in addition to those covered by the standards at item 9.

Clause	Subject	Compliance
1.2.7	LVD type requirements	Manufacturer responsibility
1.2.8	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

19 **Drawings and Documents**

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
1158690	1 of 1	D	02-20-13	Proximity Probe Series Designations
10000-AGENCY	1 & 2	D	05-22-03	Assy, Proximity Probes

Current drawings also associated with this certificate.

None.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0139X	29 January 2013	The release of the prime certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR11.0237/00. Project File No. 11/0069.
Baseefa11ATEX0139X Issue 1	8 February 2016	This issue of the certificate permits the introduction of a triaxial cable option, introduces a temperature classification T4 variant, updates the specific conditions of safe use and confirms the current design meets the requirements of EN 60079-0:2012+A11:2013. Test Report No. GB/BAS/ExTR16.0047/00. Project File No. 16/0142.
Baseefa11ATEX0139X Issue 2	21 November 2017	To permit minor mechanical changes. Test Report No. GB/BAS/ExTR17.0350/00. Project File No. 17/0388.
For drawings applicable to each issue, see original of that issue.		



The following pages are the prior revisions of this certificate.

1 **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: **Baseefa11ATEX0139X – Issue 1**

4 Equipment or Protective System: **Series 10,000 Probe**

5 Manufacturer: **Metrix Instrument Co.**

6 Address: **8824 Fallbrook, 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 certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No's. 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 60079-15:2010

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

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

⊕ II 3G Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)

⊕ II 3G Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)

Baseefa Customer Reference No. **0708**

Project File No. **16/0142**

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R S SINCLAIR *FP DBREANLEY*
GENERAL MANAGER

On behalf of SGS Baseefa Limited

METRIX DOC NO: 1173826
REV: B

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0139X – Issue 1**

15 **Description of Equipment or Protective System**

The Series 10,000 Probe consists of a coil wound on to a plastic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version.

An integral coaxial or triaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a connector for mating with the Probe Driver.

An extension cable may be fitted between the Probe and the Probe Driver. The maximum length of the integral cable and extension cable is 10m and the cables may be provided with armoured protection.

Supply voltage: 28V

16 **Report Number**

GB/BAS/ExTR16.0083/00

17 **Specific Conditions of Use**

1. The Series 10,000 Probe must be located in an area of not more than pollution degree 2, as defined in IEC 60664-1. Additionally, the connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.
2. Provision must be made, external to the Series 10,000 Probe, to ensure that the rated input is not exceeded by more than 40%.

18 **Essential Health and Safety Requirements**

As follows, in addition to those covered by the standards at item 9.

Clause	Subject	Compliance
1.2.7	LVD type requirements	Manufacturer responsibility
1.2.8	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

19 **Drawings and Documents**

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
1158690	1 of 1	C	02-20-13	Proximity Probe Series Designations
10000-AGENCY	1 & 2	C	05-22-03	Assy, Proximity Probes

These drawings are common to Baseefa03ATEX0204, IECEx BAS 11.0066X and IECEx BAS 11.0065 and held with the latter.

Current drawings which remain unaffected by this issue:

None.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0139X	29 January 2013	The release of the prime certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR11.0237/00. Project File No. 11/0069.
Baseefa11ATEX0139X Issue 1	8 February 2016	This issue of the certificate permits the introduction of a triaxial cable option, introduces a temperature classification T4 variant, updates the specific conditions of safe use and confirms the current design meets the requirements of EN 60079-0:2012+A11:2013. Test Report No. GB/BAS/ExTR16.0083/00. Project File No. 16/0142.

For drawings applicable to each issue, see original of that issue.



The following pages are the prior revisions of this certificate.



1

TYPE EXAMINATION CERTIFICATE

2

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

3 Type Examination Certificate Number: **Baseefa11ATEX0139X**

4 Equipment: **Series 10,000 Probe**

5 Manufacturer: **Metrix Instrument Co.**

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

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

8 Baseefa certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No. GB/BAS/ExTR11.0237/00

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

EN 60079-0:2012 EN 60079-15:2010

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 is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following :

⊕ II 3G Ex nA IIC T3 Gc (-40°C ≤Ta ≤+177°C)

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

Baseefa Customer Reference No. **0708**

Project File No. **11/0069**

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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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



13

Schedule

14

Certificate Number Baseefa11ATEX0139X

15 Description of Equipment

The Series 10,000 Probe consists of a coil wound on to a plastic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version and any version has a maximum inductance of 150 μ H.

An integral coaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a coaxial connector for mating with the Probe Driver.

An extension cable may be fitted between the Probe and the Probe Driver. The maximum length of the integral cable and extension cable is 10m and the cables may be provided with armoured protection.

Supply voltage: 28V

16 Report Number

GB/BAS/ExTR11.0237/00

17 Specific Conditions of Use

1. The connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.
2. Provision must be made, external to the Series 10,000 Probe, to ensure that the rated input is not exceeded by more than 40%.

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
10000-AGENCY	1 & 2	A	05.22.03	Assy, Proximity Probes

This drawing is common to Baseefa11ATEX0139X, IECEx BAS 11.0065 & IECEx BAS 11.0066X and held with IECEx BAS 11.0065.