IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 11.0066X

Issue No: 2

Certificate history:
Issue No. 2 (2017-11-21)
Issue No. 1 (2016-03-09)
Issue No. 0 (2013-01-29)

Status: **Current**

Date of Issue: **2017-11-21**

Applicant: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Equipment: **Series 10,000 Probe**
Optional accessory:

Type of Protection: **Type n**

Marking:

Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)
Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)

Approved for issue on behalf of the IECEx Certification Body: R. S. Sinclair

Position: Technical Manager

Signature:
(for printed version)

Date: 22-11-17

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom

METRIX DOC NO: 1172602
REV: C

IECEx Certificate of Conformity

Certificate No: IECEx BAS 11.0066X Issue No: 2

Date of Issue: **2017-11-21** Page 2 of 4

Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR11.0237/00 GB/BAS/ExTR16.0083/00 GB/BAS/ExTR17.0350/00

Quality Assessment Report:

GB/BAS/QAR10.0017/05

METRIX DOC NO: 1172602
REV: C

IECEx Certificate of Conformity

Certificate No: IECEx BAS 11.0066X Issue No: 2

Date of Issue: **2017-11-21** Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

Input parameters

Max rated input: 28V

SPECIFIC CONDITIONS OF USE: YES as shown below:

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%.

METRIX DOC NO: 1172602
REV: C

IECEx Certificate of Conformity

Certificate No: IECEx BAS 11.0066X Issue No: 2

Date of Issue: **2017-11-21** Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 3.1

To permit minor mechanical changes (a ceramic mandrill).

ExTR: **GB/BAS/ExTR17.0350/00**	File Reference: **17/0388**

METRIX DOC NO: 1172602
REV: C

The following pages are the prior revisions of this certificate.

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: IECEx BAS 11.0066X issue No.:1

Certificate history:
Issue No. 1 (2016-3-9)
Issue No. 0 (2013-1-29)

Status: **Current**

Date of Issue: **2016-03-09** Page 1 of 4

Applicant: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Electrical Apparatus: **Series 10,000 Probe**
Optional accessory:

Type of Protection: **Type n**

Marking: **Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)**
Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)

Approved for issue on behalf of the IECEx Certification Body: R. S. Sinclair pp D BRADLEY

Position: Technical Manager

Signature:
(for printed version)

Date: 9/3/16

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Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom

METRIX DOC NO: 1172602
REV: B

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0066X

Date of Issue: **2016-03-09** Issue No.: **1**

Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Additional Manufacturing location (s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/BAS/ExTR11.0237/00 GB/BAS/ExTR16.0083/00

Quality Assessment Report:

GB/BAS/QAR10.0017/04

METRIX DOC NO: 1172602
REV: B

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0066X

Date of Issue: **2016-03-09** Issue No.: **1**

Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

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.

Input parameters

Max rated input: 28V

CONDITIONS OF CERTIFICATION: YES as shown below:

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%.

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0066X

Date of Issue: **2016-03-09** Issue No.: **1**

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To permit the addition of a triaxial cable option; the equipment description has been amended to reflect this option.

Variation 1.2

Specific condition of use #1 has been amended to reference pollution degree 2 / IEC 60664-1. Specific condition of use #2 has been included to correct the earlier omission.

Variation 1.3

To permit the introduction of a temperature class T4 variant.
The equipment is now marked:
Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)
Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)

ExTR: **GB/BAS/ExTR16.0083/00**	File Reference: **16/0142**

The following pages are the prior revisions of this certificate.

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IEC Certification Scheme for Explosive Atmospheres

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Certificate No.:	IECEx BAS 11.0066X	issue No.:0	Certificate history:
Status:	**Current**		
Date of Issue:	**2013-01-29**	Page 1 of 3	

Applicant: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Electrical Apparatus: **Series 10,000 Probe**
Optional accessory:

Type of Protection: **Type n**

Marking: **Ex nA IIC T3 Gc**
-40°C ≤Ta ≤+177°C

Approved for issue on behalf of the IECEx Certification Body: R. S. Sinclair

Position: General Manager

Signature:
(for printed version)

pp Allan Ocofen

Date: 29/1/13.

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Certificate issued by:

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Staden Lane
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Derbyshire
SK17 9RZ
United Kingdom

Baseefa

METRIX DOC NO: 1172602
REV: A

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0066X

Date of Issue: **2013-01-29** Issue No.: **0**

Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
United States of America

Additional Manufacturing location (s):

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STANDARDS:
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IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/BAS/ExTR11.0237/00

Quality Assessment Report:

GB/BAS/QAR10.0017/01

METRIX DOC NO: 1172602
REV: A

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0066X

Date of Issue: **2013-01-29** Issue No.: **0**

Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

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 150µH.

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 9m and the cables may be provided with armoured protection.

Input parameters

Max rated input: 28V

CONDITIONS OF CERTIFICATION: YES as shown below:

The connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.