

# **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 10.0020	Issue No:	5 Certificate history: Issue No. 5 (2019-07-01)
Status:	Current		Issue No. 4 (2014-03-24)
		Page 1 of	
Date of Issue:	2019-07-01		Issue No. 2 (2011-05-18)
Applicant:	Metrix Instrument Co.		Issue No. 1 (2011-01-12)
Applicant.	8824 Fallbrook		Issue No. 0 (2010-08-06)
	Houston		
	Texas		
	77064		
	United States of America		
Equipment:	A Type 5550 Vibration Switch		
Optional accessory:			
Type of Protection:	Flameproof and dust tight		
Marking:	Ex d IIB + H2 T6 Gb Ta -*°C to + 70°C Ex tb III C T85°C Db Ta -*°C to + 70°C IP6* *See variation 5.2		
Approved for issue o	n behalf of the IECEx	R S Sinclair	
Certification Body:			
Position:		Technical Manager	
Signature:		0	MPOWNEY
(for printed version)		p Manney	Certification Manager
Date:		122/7/19	
2. This certificate is n	I schedule may only be reproduced in full. ot transferable and remains the property of the i thenticity of this certificate may be verified by vis		
Certificate issued by:			
	SGS Baseefa Limited		
	Rockhead Business Park	000	
	Staden Lane		Baseefa)
B	Juxton, Derbyshire, SK17 9RZ		
	United Kinadom		

Buxton, Derbyshire, SK17 9RZ United Kingdom



Certificate No:	IECEx BAS 10.0020	Issue No: 5
Date of Issue:	2019-07-01	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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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/ExTR10.0034/00 GB/BAS/ExTR13.0184/00 GB/BAS/ExTR10.0274/00 GB/BAS/ExTR14.0089/00 GB/BAS/ExTR11.0119/00 GB/BAS/ExTR19.0137/00

Quality Assessment Report:

GB/BAS/QAR10.0017/06



 Certificate No:
 IECEx BAS 10.0020
 Issue No: 5

 Date of Issue:
 2019-07-01
 Page 3 of 4

 Schedule
 Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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  $\frac{3}{2}$  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).

SPECIFIC CONDITIONS OF USE: NO



Certificate No:

Date of Issue:

IECEx BAS 10.0020

Issue No: 5

2019-07-01

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

Variation 5.1

To confirm that the equipment covered by the referenced certificates has been reviewed against the requirements of IEC 60079-0:2017, IEC 60079-1:2014 and IEC 60079-31:2013 in respect to the differences from IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-31:2008.

### Variation 5.2

To permit the option of reducing the equipment's lower ambient temperature from -40°C to -53°C together with the reduction of the IP rating when this is the case.

When fitted with the Chloroprene U-cup material, the equipment's ambient temperature and IP ratings are as follows:

Ta = -53°C to +70°C and IP64 respectively.

Otherwise, Ta = -40°C to +70°C and IP66.

ExTR: GB/BAS/ExTR19/0137/00

File Reference: 19/0169



The following pages are the prior revisions of this certificate.



	for rules and details o	eme for Explosive A of the IECEx Scheme visit www.iece	ex.com
Certificate No .:	IECEx BAS 10.0020	issue No.:4	Certificate history:
Status:	Current		Issue No. 4 (2014-3-24) Issue No. 3 (2014-1-27) Issue No. 2 (2011-5-18)
Date of Issue:	2014-03-24	Page 1 of 4	Issue No. 1 (2011-1-12) Issue No. 0 (2010-8-6)
Applicant:	Metrix Instrument Co 8824 Fallbrook Houston Texas 77064 United States of Ame		
Electrical Apparatus: Optional accessory:	A Type 5550 Vibration	Switch	
Type of Protection:	Flameproof and dust tig	ght	
Marking:	Ex d IIB + H2 T6 Gb Ta - Ex tb IIIC T85°C Db Ta -⁄	40°C to + 70°C 10°C to + 70°C IP66	
Approved for issue on b Certification Body:	ehalf of the IECEx RR	S Sinclair Mowney	
Position:	Ge	eneral Manager	
Signature: for printed version)		Manag	
Date:	_	29314	
2. This certificate is not	chedule may only be reprodu transferable and remains the nticity of this certificate may	uced in full. a property of the issuing body. be verified by visiting the Official I	ECEx Website.
ertificate issued by:	Baseefa Limited		
Rockh	ead Business Park Staden Lane Buxton Derbyshire SK17 9RZ nited Kingdom	SG	Baseefa

		Certificate onformity		
Certificate No.:	IECEx BAS 10.0020			
Date of Issue:	2014-03-24	Issue No.: 4		
		Page 2 of 4		
Manufacturer:	Metrix Instrument Co. 8824 Fallbrook Houston Texas 77064 United States of America			
Additional Manufacturing lo (s):	cation			
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 an documents, was found to c	d any acceptable variations to it specifi omply with the following standards:	ed in the schedule of this certificate and the identified		
IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: Ger	neral requirements		
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equ	ipment protection by flameproof enclosures "d"		
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: E	quipment dust ignition protection by enclosure 't'		
This Certificate <b>does not</b> indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.				
<b>TEST &amp; ASSESSMENT REPORTS:</b> A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in				
Test Report: GB/BAS/ExTR10.0034/00 GB/BAS/ExTR13.0184/00	GB/BAS/ExTR10.0274/00 GB/BAS/ExTR14.0089/00			
Quality Assessment Report:				

GB/BAS/QAR10.0017/02

IEC TECEX		x Certificate
	of	Conformity
Certificate No.:	IECEx BAS 10.0020	
Date of Issue:	2014-03-24	Issue No.: 4
		Page 3 of 4
	Schedu	ıle
QUIPMENT: quipment and systems co	vered by this certificate are as follows	5.
Type 5550 Vibration Swite loy.	h comprises a rectangular enclosure a	and flat flanged cover, both manufactured from aluminium
Nitch. The cover which is a	n, one or two microswitches and the op ttached by four grade A2-80 stainless anual re-setting of the trip switch.	otion of a solenoid coil for remote re-setting of the trip steel fasteners, has two operating shafts for adjustment of
he micro switches are eacl	n rated up to 480Va.c.15A, and the coil	I when fitted is rated up to 230Va.c. 1A, or 24Vd.c. 3A.
n M20 or ¾" NPT cable en terposition of a flameproof	try hole is provided for the accommoda thread adapter.	ation of a flameproof cable entry device, with or without the
he cable entry device and t nd shall be certified as Equ	thread adapters if used shall be suitabl lipment (not a Component).	le for the equipment, the cable and the conditions of use
ONDITIONS OF CERTIFI	CATION: NO	

METRIX	DOC	NO:	11872	253
REV: C				

		CEx Certificate of Conformity	
Certificate No.:	IECEx BAS 10.0020		
Date of Issue:	2014-03-24	Issue No.: 4 Page 4 of 4	
ETAILS OF CERTIFICAT	E CHANGES (for issues 1 a	nd above):	
ariation 4.1	ers of grade A2-70, A2-80 and		
ExTR: GB/BAS/ExTR14		File Reference: 14/0150	



The following pages are the prior revisions of this certificate.



	ertification So	LECTROTECHNICA cheme for Explosive ils of the IECEx Scheme visit www	e Atmospheres		
Certificate No.:	IECEx BAS 10.0020	) issue No.:3	Certificate history:		
Status:	Current		Issue No. 3 (2014-1-27) Issue No. 2 (2011-5-18)		
Date of Issue:	2014-01-27	Page 1 of 4	Issue No. 1 (2011-1-12) Issue No. 0 (2010-8-6)		
Applicant:	Metrix Instrument 8824 Fallbrook Houston Texas 77064 United States of A	Co.			
Electrical Apparatus: Optional accessory:	A Type 5550 Vibrati	ion Switch			
Type of Protection:	Flameproof and due	st tight			
Marking:	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				
Approved for issue on be Certification Body:	ehalf of the IECEx	R S Sinclair PP DB	REAVELY		
Position:		General Manager			
Signature: (for printed version) Date:	(for printed version) Themas				
	ransferable and remain	produced in full. Is the property of the issuing body may be verified by visiting the Off			
Rockhe	Baseefa Limited ead Business Park Staden Lane Buxton Derbyshire SK17 9RZ ited Kingdom	S	<b>Baseefa</b>		

		Certificate Informity		
Certificate No.:	IECEx BAS 10.0020			
Date of Issue:	2014-01-27	Issue No.: 3		
		Page 2 of 4		
Manufacturer:	Metrix Instrument Co. 8824 Fallbrook Houston Texas 77064 United States of America			
Additional Manufacturing lo (s):	cation			
found to comply with the IE covered by this certificate, v	C Standard list below and that the manufactu was assessed and found to comply with the I	of production, was assessed and tested and urer's quality system, relating to the Ex products ECEx Quality system requirements. This ne Rules, IECEx 02 and Operational Documents		
STANDARDS: The electrical apparatus and documents, was found to co	d any acceptable variations to it specified in omply with the following standards:	the schedule of this certificate and the identified		
IEC 60079-0 : 2011 Edition: 6.0				
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment	nt protection by flameproof enclosures "d"		
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipm	ent dust ignition protection by enclosure 't'		
This Certificate does not	t indicate compliance with electrical safety a expressly included in the Standards	nd performance requirements other than those listed above.		
TEST & ASSESSMENT RE A sample(s) of the equipme	<b>PORTS:</b> nt listed has successfully met the examination	on and test requirements as recorded in		
<u>Test Report:</u> GB/BAS/ExTR10.0034/00 GB/BAS/ExTR13.0184/00	GB/BAS/ExTR10.0274/00	GB/BAS/ExTR11.0119/00		
Quality Assessment Report:				
GB/BAS/QAR10.0017/02				



Certificate No .:

IECEx BAS 10.0020

Date of Issue:

2014-01-27

Issue No.: 3

Page 3 of 4

Schedule

#### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 3/4" 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).

### CONDITIONS OF CERTIFICATION: NO



Certificate No.:	IECEx BAS 10.0020		
Date of Issue:	2014-01-27		Issue No.: 3
			Page 4 of 4
DETAILS OF CERTIFICATE CHA	NGES (for issues 1 and :	above).	
Variation 3.1			
To permit a modification to the posit	tion of the reset shaft positi	o.p.	
Variation 3.2	ion of the reset shall positi	on.	
To assess the apparatus against the	a requirements of IECCOED		
Variation 3.3		9 101 12:00.	
To confirm that the equipment cover Edition 6 and IEC60079-31: 2008 E issued; none of these differences af	dition 1 in respect of the dif	ferences from the standar	requirements of IEC60079-0: 2011 rds to which this certificate was
The product will now be marked as	follows:-		
Ex d IIB + H2 T6 Gb Ta -40°C to + Ex tb IIIC T85°C Db Ta -40°C to +			
ExTR: GB/BAS/ExTR13.0184/0	0		20
EXTR: GB/BAS/EXTR13.0184/0	10	File Reference: 13/01	52



The following pages are the prior revisions of this certificate.



	ertification Sch	CTROTECHNICAL C eme for Explosive A f the IECEx Scheme visit www.iece	tmospheres
Certificate No.:	IECEx BAS 10.0020	issue No.:2	Certificate history: Issue No. 2 (2011-5-18)
Status:	Current		Issue No. 1 (2011-1-12) Issue No. 0 (2010-8-6)
Date of Issue:	2011-05-18	Page 1 of 4	
Applicant:	Metrix Instrument Co 8824 Fallbrook Houston Texas 77064 United States of Ame		
Electrical Apparatus: Optional accessory:	A Type 5550 Vibration	Switch	
Type of Protection:	Flameproof and dust ti	ght	
Marking:	Ex d IIB + H2 T6 Ta -40 Ex tb IIIC T85°C Ta -40°		
Approved for issue on b Certification Body:	ehalf of the IECEx	R S Sinclair	
Position:	Managing Director		
Signature: (for printed version)		RSSint	v~
Date:		19-5-11	
<ol> <li>This certificate and schedule may only be reproduced in full.</li> <li>This certificate is not transferable and remains the property of the issuing body.</li> <li>The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.</li> </ol>			
Certificate issued by:			
Baseefa Rockhead Business Park Staden Lane Buxton Derbyshire SK17 9RZ United Kingdom			Baseefa

		Certificate onformity
Certificate No .:	IECEx BAS 10.0020	
Date of Issue:	2011-05-18	Issue No.: 2
		Page 2 of 4
Manufacturer:	Metrix Instrument Co. 8824 Fallbrook Houston Texas 77064 United States of America	
found to comply with the IE covered by this certificate.	C Standard list below and that the man was assessed and found to comply with	ative of production, was assessed and tested and ufacturer's quality system, relating to the Ex products the IECEx Quality system requirements. This Scheme Rules, IECEx 02 and Operational Documents
<b>STANDARDS:</b> The electrical apparatus ar	nd any acceptable variations to it specifi comply with the following standards:	ed in the schedule of this certificate and the identified
IEC 60079-0 : 2007-10	Explosive atmospheres - Part 0:Equi	pment - General requirements
Edition: 5 IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equ	ipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Ec	quipment dust ignition protection by enclosure 't'
This Certificate <b>does no</b>	t indicate compliance with electrical sat expressly included in the Stand	ety and performance requirements other than those lards listed above.
<b>TEST &amp; ASSESSMENT R</b> A sample(s) of the equipme	EPORTS: ent listed has successfully met the exam	nination and test requirements as recorded in
Test Report:		
GB/BAS/ExTR10.0034/00 GB/BAS/ExTR10.0274/00 GB/BAS/ExTR11.0119/00		
Quality Assessment Repor	<u>t:</u>	

GB/BAS/QAR10.0017/00



Certificate No .:

IECEx BAS 10.0020

Date of Issue:

2011-05-18

Issue No.: 2

Page 3 of 4

#### Schedule

#### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 3/" 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).

#### CONDITIONS OF CERTIFICATION: NO



Certificate No.: Date of Issue: IECEx BAS 10.0020

2011-05-18

Issue No.: 2

Page 4 of 4

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

Variation 2.1

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

ExTR: GB/BAS/ExTR11.0119/00

File Reference: 11/0357



The following pages are the prior revisions of this certificate.



	ertification Sch	ECTROTECHNICAL COMMISSION eme for Explosive Atmospheres
		Interective visit www.iecex.com
Certificate No.:	IECEx BAS 10.0020	issue No.:1 Issue No. 1 (2011-1-12)
Status:	Current	Issue No. 0 (2010-8-6)
Date of Issue:	2011-01-12	Page 1 of 4
Applicant:	Metrix Instrument Co 8824 Fallbrook Houston Texas 77064 United States of Ame	
Electrical Apparatus: Optional accessory:	A Type 5550 Vibration	Switch
Type of Protection:	Flameproof and dust t	ight
Marking:	Ex d IIB + H2 T6 Ta -40 Ex tb IIIC T85°C Ta -40	
Approved for issue on behalf of the IECEx Certification Body:		
Position:		Managing Director
Signature: (for printed version)		Na Parman
Date:		12/11
2. This certificate is not t	hedule may only be reproc ransferable and remains th nticity of this certificate ma	uced in full. The property of the issuing body. If y be verified by visiting the Official IECEx Website.
Certificate issued by:	Pagagé	
Roc	Baseefa khead Business Park Staden Lane Buxton Derbyshire SK17 9RZ United Kingdom	Baseefa



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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

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/ExTR10.0034/00 GB/BAS/ExTR10.0274/00

Quality Assessment Report:

GB/BAS/QAR10.0017/00



Certificate No .:

**IECEx BAS 10.0020** 

2011-01-12

Date of Issue:

Issue No.: 1

Page 3 of 4

Schedule

#### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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).

### CONDITIONS OF CERTIFICATION: NO

		CEx Certificate of Conformity	<b>)</b>
Certificate No.:	IECEx BAS 10.002	)	
Date of Issue:	2011-01-12	Issue No.: 1	
		Page 4 of 4	
DETAILS OF CERTIFICATE	CHANGES (for issues 1	and above):	
Variation 1.1			
Changes to the internal therm			
ExTR: GB/BAS/ExTR10.0	0274/00	File Reference: 10/0889	
			i



### 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 10.0020	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2010-08-06	Page 1 of 3	,
Applicant:	Metrix Instrument Co 8824 Fallbrook Houston Texas 77064 United States of Ame		• •
Electrical Apparatus: Optional accessory:	A Type 5550 Vibration	Switch	
Type of Protection:	Flameproof and dust ti	ght	
Marking:	Ex d IIB + H2 T6 Ta -40 Ex tb IIIC T85°C Ta -40°	°C to + 70°C Gb °C to + 70°C Db IP65	
Approved for issue on be Certification Body:	half of the IECEx	R S Sinclair	
Position:		Managing Director	
Signature: (for printed version)		RSS	
<ol><li>This certificate is not tr</li></ol>	nedule may only be reprod ansferable and remains th ticity of this certificate may	luced in full. he property of the issuing body. y be verified by visiting the Offici	al IECEx Website.
Certificate issued by: Roc	Baseefa khead Business Park Staden Lane Buxton Derbyshire SK17 9RZ United Kingdom		Baseefa
			•



Certificate No .:

**IECEx BAS 10.0020** 

Date of Issue:

2010-08-06

Issue No.: 0

Page 2 of 3

Manufacturer:

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

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

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/ExTR10.0034/00

Quality Assessment Report: GB/BAS/QAR10.0017/00



Certificate No.:

**IECEx BAS 10.0020** 

Date of Issue:

2010-08-06

Issue No.: 0

Page 3 of 3

Schedule

#### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 3/4" 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).

#### CONDITIONS OF CERTIFICATION: NO