THECEX	IECEx Certificate of Conformity				
	INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com				
Certificate No.:	IECEx BAS 15.0095X	Page 1 of	- 10C		
Status:	Current	Issue No:	1 Issue 0 (2015-09-07)		
Date of Issue:	2024-03-22				
Applicant:	Metrix Instrument Co. 8824 Fallbrook Houston Texas 77064 United States of America				
Equipment:	Model 5485C Velocity Transduce	er			
Optional accessory:					
Type of Protection:	Туре ес				
Marking:	Ex ec IIC T* Gc Temperature Class - see Specific	c Conditions of Use			
Approved for issue of Certification Body:	n behalf of the IECEx	P Oates			
Position:		Certification Manager			
Signature: (for printed version)		P.H.			
Date:		22/3/2024			
(for printed version)					
2. This certificate is not	chedule may only be reproduced in full. transferable and remains the property of the enticity of this certificate may be verified by v	e issuing body. visiting www.iecex.com or use of this QR Code.			
Certificate issued	by:		000		
SGS UK Limite Rockhead Busin			GUG		
Staden Lane Buxton, Derbysl	nire SK17 9RZ	METRIX Doc No: 1480831	JUD		
United Kingdo		REV: B			



Certificate No.:	IECEx BAS 15.0095X	Page 2 of 4		
Date of issue:	2024-03-22	Issue No: 1		
Manufacturer:	Metrix Instrument Co. 8824 Fallbrook			
	Houston Texas 77064 United States of America			
Manufacturing				
Manufacturing locations:	Metrix Instrument Co. 8824 Fallbrook			
	Houston Texas 77064 United States of America			
	United States of America			
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 equipment and a to comply with the fo	any acceptable variations to it specified in the schedule of this certi llowing standards	ficate and the identified documents, was found		
IEC 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements			
IEC 60079-7:2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increase	sed safety "e"		
This Certificate does not indicate compliance with 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 Reports:

IECE

GB/BAS/ExTR15.0245/00

GB/SGS/ExTR24.0049/00

Quality Assessment Report:

GB/BAS/QAR10.0017/09

METRIX Doc No: 1480831 REV: B



IECEx Certificate of Conformity

Certificate No.: IECEx

IECEx BAS 15.0095X

2024-03-22

Page 3 of 4

Date of issue:

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Model 5485C Velocity Transducer is designed to measure vibrations and convert them into an output signal. It comprises a coil and magnet housed within a stainless steel enclosure. Electrical connections are made via a two-pole connector or integral cable.

Input parameters

Max rated input: 28V

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Temperature Classification and ambient temperature range of the Model 5485C can vary and may be as follows:

- T6 -54°C ≤ Ta ≤ +45°C
- T5 -54°C ≤ Ta ≤ +60°C
- T4 -54°C ≤ Ta ≤ +95°C
- T3 -54°C ≤ Ta ≤ +160°C
- T2 -54°C ≤ Ta ≤ +260°C
- T1 -54°C ≤ Ta ≤ +375°C

2. The terminations of the flying leads of the integral cable must be afforded a degree of protection of at least IP54 in accordance with the requirements of IEC 60079-15 and EN/IEC 60529.

3. External provision must be made to ensure that the maximum rated input is not exceeded by more than 40%.

4. The connector must not be disconnected whilst the equipment is energised.

METRIX Doc No: 1480831 REV: B



Date of issue:

IECEx Certificate of Conformity

Certificate No.: IECEx BAS 15.0095X

Page 4 of 4

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Variation 1.1

2024-03-22

This issue of the certificate permits minor drawing changes and confirms that the current design meets the requirements of IEC 60079-0:2017 Ed 7 & IEC 60079-7:2017 Ed 5.1 for Ex ec equipment, including the revision of the equipment marking in accordance with these standards.

ExTR: GB/SGS/ExTR24.0049/00

File Reference: 20/0577

METRIX Doc No: 1480831 REV: B



The following pages are the prior revisions of this certificate.



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 15 0095X	K issue No.:0	Certificate history:	
Status:	Current			
Date of Issue:	2015-09-07	Page 1 of 3		
Applicant:	Metrix Instrument (8824 Fallbrook Houston Texas 77064 United States of Ar			
Electrical Apparatus: Optional accessory:	Model 5485C Velocity Transducer			
Type of Protection:	Type n			
Marking:	Ex nA IIC T* Gc Temperature Class - see schedule			
Approved for issue on l Certification Body:	behalf of the IECEx	R. S. Sinclair PP DISVEEA	NLEY	
Position:		Technical Manager		
Signature: (for printed version)		_Beales_		
Date:		10/9/15		
2. This certificate is not		roduced in full. s the property of the issuing body. nay be verified by visiting the Official	IECEx Website.	
Rocki	S Baseefa Limited head Business Park Staden Lane Buxton Derbyshire SK17 9RZ Inited Kingdom	SG	S Baseefa	

		Certificate onformity
Certificate No.:	IECEx BAS 15.0095X	
Date of Issue:	2015-09-07	Issue No.: 0
		Page 2 of 3
Manufacturer:	Metrix Instrument Co. 8824 Fallbrook Houston Texas 77064 United States of America	1
Additional Manufacturing (s):	glocation	
found to comply with the covered by this certificat	EC Standard list below and that the main e, was assessed and found to comply with	tative of production, was assessed and tested and nufacturer's quality system, relating to the Ex products th the IECEx Quality system requirements. This Scheme Rules, IECEx 02 and Operational Documents
	and any acceptable variations to it speci o comply with the following standards:	fied in the schedule of this certificate and the identified
IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: Ge	
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Er	quipment protection by type of protection "n"
This Certificate does	not indicate compliance with electrical sa expressly included in the Star	fety and performance requirements other than those dards listed above.
TEST & ASSESSMENT A sample(s) of the equip		mination and test requirements as recorded in
<u>Test Report:</u> GB/BAS/ExTR15.0245/0	00	
Quality Assessment Reg	<u>port:</u>	
GB/BAS/QAR10.0017/0	3	



IECEx Certificate of Conformity

Certificate No.:

IECEx BAS 15.0095X

Date of Issue:

2015-09-07

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

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