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	issue No.:0	Certificate history:
Status:	**Current**		
Date of Issue:	**2015-09-07**	Page 1 of 3	

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

Electrical Apparatus: **Model 5485C Velocity Transducer**
Optional accessory:

Type of Protection: **Type n**

Marking: **Ex nA IIC T* Gc**
Temperature Class - see schedule

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

Position: Technical Manager

Signature:
(for printed version)

Date: 10/9/15

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: 1480831
REV: A

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Certificate No.: IECEx BAS 15.0095X

Date of Issue: **2015-09-07** Issue No.: **0**

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/ExTR15.0245/00

Quality Assessment Report:

GB/BAS/QAR10.0017/03

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Schedule

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

CONDITIONS OF CERTIFICATION: 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.