



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 CML 23.0129X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-07-07

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

Equipment: **Accelometer – Type: SA6200A-*****

Optional accessory:

Type of Protection: **Intrinsic Safety Ex 'ia', Increased Safety Ex 'ec'**

Marking: Ex ia IIC T3...T4 Ga
Ex ec IIC T3...T4 Gc
Ta -54°C to +121°C

Approved for issue on behalf of the IECEx
Certification Body:

Stelios Roumbedakis

Position:

Certification Manager

Signature:
(for printed version)

S. Roumbedakis

Date:
(for printed version)

2026-07-07

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Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom



METRIX DOC NO: 1683352
REV: B



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0129X**

Page 2 of 3

Date of issue: 2026-07-07

Issue No: 0

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

Manufacturing
locations: **Metrix Instrument Co.**
8824 Fallbrook
Houston
Texas 77064
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 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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Report:

GB/CML/ExTR23.0190/00

Quality Assessment Report:

GB/BAS/QAR10.0017/10



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0129X**

Page 3 of 3

Date of issue: 2026-07-07

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is used to detect machine vibration and provide an indication of vibration levels. It consists of an electronic board and sensing element mounted in a stainless steel housing with a connector.

See Certificate Annex for full Product Description and Ratings.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the Certificate Annex.

Annex:

[Certificate Annex IECEx CML 23.0129X Issue 0.pdf](#)

Annexe to: IECEx CML 23.0129X Issue 0
Apparatus: Accelerometer – Type: SA62000A-***
Applicant: Metrix Instrument Co.



Description

The equipment is used to detect machine vibration and provide an indication of vibration levels. It consists of an electronic board and sensing element mounted in a stainless steel housing with a connector. The equipment operates by sensing the voltage from the internal accelerometer, which is produced by the vibrations from the machinery, and conditioning this voltage to provide an AC voltage superimposed on a DC bias voltage.

There are two versions: Ex ia and Ex ec. The construction for each version is identical.

Range Details

SA6200A -

*	*	*
		Connector type:
		1 = 2 Pin Hermetic Connector
		Mounting Stud:
		0= ¼-28 UNF
		1= M6x1.0
		2= ¼-20 UNC
		3= NONE
		5= ¼-28 UNF & M6x1.0
		Hazardous area rating:
		5 = IECEx, Ex ia protection, connection per dwg 9352 IECEx, Ex ec protection, connection per dwg 9031
		6 = IECEx, Ex ia protection, connection per dwg 9352
		7 = IECEx, Ex ec protection, connection per dwg 9031

The Ex ia version of the equipment has the following safety description:

Ui = 30V
Ii = 100mA
Pi = 0.75W
Ci = 12nF
Li = 0

The Ex ec version of the equipment has the following ratings:

U ≤ 30V
I ≤ 100mA
P ≤ 0.75W



Certificate Annex IECEx
Version: 12.0 Approval: Approved



Eurofins E&E CML Limited
Newport Business Park, New Port Road
Ellesmere Port, CH65 4LZ, UK

**Notes:**

- IECEx LCIE 16.0023X is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by IECEx LCIE 16.0023X.
- Where IECEx LCIE 16.0023X is specified in other product certification or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

Ex “ec” variant:

- Each unit shall be subjected to a dielectric strength test in accordance with IEC 60079-7 clause 7.1. The test shall be carried out at a test voltage of 500 V rms for the duration of at least 60 seconds. The test voltage shall be applied between the conductive parts and the enclosure. No breakdown or flashover shall occur.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

Ex “ia” variant :

- The equipment shall be only connected to a certified associated intrinsically safe equipment. This combination shall be compatible as regards intrinsic safety rules (see electrical parameter).
- The equipment shall be installed per drawing number 9352-AGENCY rev. C dated 2015/04/15 of the instruction manual number M9313 rev. N dated 2024/09.
- The mounting of the apparatus into an installation shall be carried out in such a way that metallic body of the accelerometer is reliably connected to the system earth.
- The equipment shall only be installed where there is no risk of mechanical impact or shall be protected from mechanical impact by a suitable additional enclosure or guard.

Ex “ec” variant:

- The electrical parameters of power supply can be connected to the equipment shall not exceed the following values:
 $U \leq 30V$; $I \leq 100mA$; $P \leq 0.75W$.
- The user shall ensure degree of protection IP54 at the threaded connector during installation.
- The mounting of the apparatus into an installation shall be carried out in such a way that metallic body of the accelerometer is reliably connected to the system earth.
- The equipment shall be installed per drawing number 9352-AGENCY rev. C dated 2015/04/15 of the instruction manual number M9313 rev. N dated 2024/09.



Certificate Annex IECEx
Version: 12.0 Approval: Approved



Eurofins E&E CML Limited
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Ellesmere Port, CH65 4LZ, UK



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 LCIE 16.0023X Issue No: 0 Certificate history:
Issue No. 0 (2017-02-01)

Status: **Current** Page 1 of 3

Date of Issue: **2017-02-01**

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

Equipment: **Accelerometer - Type : SA6200A-*****
Optional accessory:

Type of Protection: **Ex nA, Ex Ia**

Marking:
Ex nA IIC T3 Gc
or
Ex Ia IIC T3 Ga
(refer to attachment for full marking)

Approved for issue on behalf of the IECEx
Certification Body:

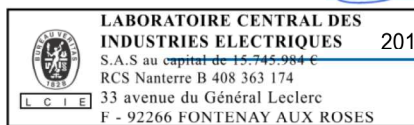
Julien GAUTHIER

Position:

Certification officer

Signature:
(for printed version)

Date:



1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France



METRIX DOC NO: 1683352
REV: A



IECEx Certificate of Conformity

Certificate No: IECEx LCIE 16.0023X

Issue No: 0

Date of Issue: 2017-02-01

Page 2 of 3

Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook Drive
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 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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:

FR/LCIE/ExTR16.0032/00 FR/LCIE/ExTR16.0090/00

Quality Assessment Report:

GB/BAS/QAR10.0017/04



IECEx Certificate of Conformity

Certificate No: IECEx LCIE 16.0023X

Issue No: 0

Date of Issue: 2017-02-01

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment is used to detect machine vibration and provide an indication of vibration levels. It consists of an electronic board and sensing element mounted in a stainless steel housing with a threaded connector.

It is divided into two versions: Ex ia or Ex nA.

CONDITIONS OF CERTIFICATION: YES as shown below:

Ex nA version:

a) The electrical parameters of power supply can be connected to the equipment must not exceed the following values : $U \leq 30 \text{ V}$; $I \leq 100 \text{ mA}$; $P \leq 0.75 \text{ W}$.

b) Operating ambient temperature: -54°C to $+121^{\circ}\text{C}$.

c) The user shall ensure degree of protection IP54 at the threaded connector when installation.

d) The mounting of the apparatus into an installation must be carried out in such a way that metallic body of the accelerometer is reliably connected to the system earth.

e) The equipment must be installed per drawing n°9352-AGENCY rev. B dated 2015/04/15 of the instruction manual n°1668055 rev. B dated 2017/01.

Ex ia version:

a) The equipment must be only connected to a certified associated intrinsically safe equipment. This combination must be compatible as regards intrinsic safety rules (see electrical parameter).

b) Operating ambient temperature: -54°C to $+121^{\circ}\text{C}$.

c) The equipment must be installed per drawing n°9352-AGENCY rev. B dated 2015/04/15 of the instruction manual n°1668055 rev. B dated 2017/01.

d) The mounting of the apparatus into an installation must be carried out in such a way that metallic body of the accelerometer is reliably connected to the system earth.

Annex:

[IECEx LCIE 16.0023X issue No.0 Annex 01.pdf](#)



Annex 01 to Certificate IECEx LCIE 16.0023X issue 00



ADDITIONNAL EQUIPMENT DESCRIPTION

Title:	Drawing No.:	Rev. Level:	Date:
Hazardous installation manual	1668055	B	2017/01

MARKING

METRIX INSTRUMENT Co.

Address: ...

Type: SA6200A-***

Serial number: ...

Year of construction: ...

IECEx LCIE 16.0023X

Version Ex ia:

Ex ia IIC T3 Ga

U_i : 30 V; I_i : 100 mA; P_i : 0.75 W; C_i : 12 nF; L_i : 0

Version Ex nA:

Ex nA IIC T3 Gc

IECEx LCIE 16.0023X

WARNING – DO NOT SEPARATE WHEN ENERGIZED

RANGE DETAILS

Model designation:

SA6200A -

*	*	*
		1 = Connector type: 2 Pin hermetic connector
		Mounting stud: 0 = 1/4-28 UNF 1 = M6x1.0 2 = 1/4-20 UNC 3 = NONE 5 = 1/4-28 UNF & M6x1.0
		Hazardous area rating: 2 = ATEX, Ex ia protection, connection per dwg 9352 4 = ATEX, Ex nA protection, connection per dwg 9031 5 = ATEX, Ex ia protection, connection per dwg 9352 ATEX, Ex nA protection, connection per dwg 9031 IECEX, Ex ia protection, connection per dwg 9352 IECEX, Ex nA protection, connection per dwg 9031 6 = IECEX, Ex ia protection, connection per dwg 9352 7 = IECEX, Ex nA protection, connection per dwg 9031

RATINGS

Version Ex nA:

$U \leq 30$ V; $I \leq 100$ mA; $P \leq 0.75$ W.

Version Ex ia:

U_i : 30 V; I_i : 100 mA; P_i : 0.75 W; C_i : 12 nF; L_i : 0



Annex 01 to Certificate IECEx LCIE 16.0023X issue 00



ROUTINE TESTS

Version Ex nA:

Each equipment shall be submitted to the dielectric strength test according to the clause 23.2.1 of IEC 60079-15:2010. Test voltage shall be applied between conductive parts and the enclosure.

Version Ex ia:

None