

**UK Type Examination Certificate CML 23UKEX2383X Issue 0****United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Accelerometer – Type: SA62000A-\*\*\***
- 3 Manufacturer **Metrix Instrument Co.**
- 4 Address **8824 Fallbrook  
Houston  
Texas 77064  
United States of America**

- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

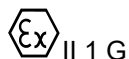
The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Ex ia IIC T3...T4 Ga

Ta= -54°C to +121°C



This certificate shall only be copied  
in its entirety and without change

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S. Roumbekakis  
Certification Manager

METRIX DOC NO: 2032025  
REV: A



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## 11 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.

### Range Details

SA6200A -

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Connector type:

1 = 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/UKEX, Ex ia protection, connection per dwg 9352

5 = ATEX/UKEX, Ex ia protection, connection per dwg 9352

### Ratings:

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

## 12 Certificate history and evaluation reports

| Issue | Date        | Associated report        | Notes                      |
|-------|-------------|--------------------------|----------------------------|
| 0     | 07 Jul 2026 | R16826A/00<br>(MT126117) | Issue of prime Certificate |

Note: Drawings that describe the equipment are listed in the Annex.



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### **13 Conditions of Manufacture**

None.

### **14 Specific Conditions of Use**

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

- i. 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).
- iii. 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.
- iv. 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.
- v. 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.

## Certificate Annex

**Certificate Number** CML 23UKEX2383X  
**Equipment** Accelerometer – Type: SA62000A-\*\*\*  
**Manufacturer** Metrix Instrument Co.



The following documents describe the equipment defined in this certificate:

### Issue 0

| Drawing No           | Sheets | Rev | Approved date | Title                                                         |
|----------------------|--------|-----|---------------|---------------------------------------------------------------|
| 9308-AGENCY          | 1 of 1 | C   | 07 Jul 2026   | Specifications, SA6200A-XXX Accelerometer (Agency)            |
| 9352-AGENCY          | 1 of 1 | C   | 07 Jul 2026   | Installation, SA6200A Accelerometer                           |
| SA6200A-XXX-AGENCY   | 1 of 1 | B   | 07 Jul 2026   | Assembly, Accelerometer (AGENCY)                              |
| 9295-XXX-AGENCY      | 1 to 2 | C   | 07 Jul 2026   | Assy, Welding, Housing & Connector (Agency)                   |
| 9294-001-AGENCY      | 1 of 1 | A   | 07 Jul 2026   | Parts List For Sub-Assy, Accelerometer                        |
| 9294-XXX-AGENCY      | 1 of 1 | B   | 07 Jul 2026   | Parts List For Sub-Assy, Accelerometer                        |
| 9294-XXX-AGENCY      | 1 of 1 | A   | 07 Jul 2026   | Sub-Assy, Accelerometer                                       |
| 9293-XXX-LCIE-AGENCY | 1 of 1 | E   | 07 Jul 2026   | Marking Drawing, Accelerometer Housing Sa6200a, LCIE (Agency) |
| 9290-AGENCY          | 1 of 1 | C   | 07 Jul 2026   | Housing                                                       |
| 9296-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Parts List For Assy, Connector                                |
| 9296-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Assy, Connector                                               |
| 9292-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Parts List For Assy, Accelerometer                            |
| 9292-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Assembly, Accelerometer                                       |
| 9255-AGENCY          | 1 of 1 | B   | 07 Jul 2026   | Schematic, Accel Bd Sa6200a (Agency)                          |
| 9257-AGENCY          | 1 of 1 | B   | 07 Jul 2026   | Parts List For 9257 Accel Bd                                  |
| 9257-LCIE-AGENCY     | 1 of 1 | A   | 07 Jul 2026   | Assembly, Accel Bd, Sa6200a                                   |
| 9256-AGENCY          | 1 to 7 | A   | 07 Jul 2026   | Drilling Detail, Aceel Bd., Sa6200a (Agency)                  |
| 9239-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Housing                                                       |
| 9242-AGENCY          | 1 of 1 | A   | 07 Jul 2026   | Base (Agency)                                                 |