

Type Examination Certificate CML 23UKEX4384X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended)
- 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, 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 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 IEC 60079-7:2015+A1:2018

- 10 The equipment shall be marked with the following:



II 3 G

Ex ec IIC T3...T4 Gc

Ta= -54°C to +121°C



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

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1 of 3



S. Roumbedakis
Certification Manager

METRIX DOC NO: 2032026
REV: A



CML 23UKEX4384X
Issue 0

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:

4 = ATEX/UKEX, Ex ec protection, connection per dwg 9031

5 = ATEX/UKEX, Ex ec protection, connection per dwg 9031

Ratings :

U ≤ 30V

I ≤ 100mA

P ≤ 0.75W

12 Certificate history and evaluation reports.

Issue	Date	Associated report	Notes
0	07 Jul 2026	R16826A/00 (MT126117)	Issue of prime Certificate

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

13 Conditions of Manufacture

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

- Each unit shall be subjected to a dielectric strength test in accordance with EN 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.



CML 23UKEX4384X
Issue 0

14 Specific Conditions of Use

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

- i. The electrical parameters of power supply can be connected to the equipment shall not exceed the following values:
 $U \leq 30V$; $I \leq 100mA$; $P \leq 0.75W$.
- ii. The user shall ensure degree of protection IP54 at the threaded connector during installation.
- iii. 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.
- iv. 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

Certificate Number CML 23UKEX4384X
Equipment Accelerometer – Type: SA6200A-***
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)