

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Advanced Micro Instruments, Inc.
225 Paularino Avenue
Address: Costa Mesa,
CA 92626
Country: USA
Contact: Mr. Charles Schacht
Phone: (714) 848-5533
FAX: NA
Email: cschacht@amio2.com

Manufacturer: Advanced Micro Instruments, Inc.
225 Paularino Avenue
Address: Costa Mesa,
CA 92626
Country: USA
Contact: Mr. Charles Schacht
Phone: (714) 848-5533
FAX: NA
Email: cschacht@amio2.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Dallas, TX

Control Number: 5015616

Authorized by: *Jovanny Alonso*
for L. Matthew Snyder, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Electrical Equipment For Measurement, Control, And Laboratory Use; Part 1: General Requirements [UL 61010-1:2012 Ed.3+R:29Apr2016]

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use Part 1: General Requirements [CSA C22.2#61010-1-12:2012 Ed.3]

Explosive Atmospheres - Part 0: Equipment - General Requirements [UL 60079-0:2019 Ed.7]

Standard for Safety Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures "d" [UL 60079-1:2015 Ed.7+R:23Jan2020]

Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" [UL 60079- 11:2013 Ed.6]

Explosive Atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga [UL 60079-26:2017 Ed.3]

Standard(s):

Explosive Atmospheres — Part 0: Equipment — General Requirements [CSA C22.2#60079- 0:2019 Ed.4]

Explosive Atmospheres - Part 1: Equipment Protection By Flameproof Enclosures "D" [CSA +A1 C22.2#60079-1:2016 Ed.3]

Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety "i" [CSA C22.2#60079-11:2014 Ed.2]

Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga [CSA C22.2#60079-26:2016 Ed.1]

Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations [UL 913:2013 Ed.8]

Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for use in Hazardous (Classified) Locations [UL 1203:2013 Ed.5+R:30Jan2020]

Explosion-Proof Enclosures For Use In Class I Hazardous Locations (R2016) [CSA C22.2#30:1986 Ed.3+G1;G2]

Gas Analyzer

Product:

Hazardous location marking:
 Class I, Division 1, Groups B-D, T4
 Class I, Zone 0/1 AEx ia/db IIB+H2 T4 Ga/Gb
 $-32^{\circ}\text{C} \leq \text{Tamb} \leq +46^{\circ}\text{C}$
 CSA Certificate number: ETL20CA104018983X

Models:

210BX followed by -AC or -DC; may be followed by -HEATED.
 2010BX followed by -AC or -DC; may be followed by -HEATED.
 3010BX followed by -AC or -DC; may be followed by -HEATED.



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 ETL 20.0036X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2020-09-14)

Status: **Current** Issue No: 1

Date of Issue: 2021-08-23

Applicant: **Advanced Micro Instruments, Inc.**
225 Paularino Avenue
Costa Mesa, CA 92626
United States of America

Equipment: **Gas Analyzers, Models: 210BX-**-*****, 2010BX-**-*****, 3010BX-**-*******

Optional accessory: None

Type of Protection: **Flameproof 'db', Intrinsic safety 'ia'**

Marking: Ex ia IIB+H2 T4 Ga/Ex db IIB+H2 T4 Gb
-32°C ≤ Tamb ≤ +46°C
IECEX ETL 20.0036X

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

Signature:
(for printed version)

Date:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek

EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. EU type examination certificate Nr **ITS20ATEX105703X R.0**

4. **Product:** Gas Analyzers

5. **Manufacturer:** Advanced Micro Instruments, Inc

Applicant: Advanced Micro Instruments, Inc

6. **Address:** 225 Paularino Avenue, Costa Mesa, CA
92626, USA

Address: 225 Paularino Avenue, Costa Mesa,
CA 92626, USA

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 104567637DAL-002 Dated: 20-July-2021.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN IEC 60079-0:2018, EN 60079-1: 2014, EN 60079-11: 2012 and EN 60079-26:2015 except in respect of those requirements referred to at item 16 of the Schedule.
10. If the sign X is placed after the certificate number, it indicates that the product is subject to Special Conditions for Safe Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 1/2 G Ex ia/db IIB + H2 T4 Ga/Gb
-32°C ≤ Ta ≤ 46°C

23 August 2021

Certificate issue date

Todd L. Relyea
Certification Officer
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This certificate has been issued by Intertek Italia S.p.A. NB 2575 on transfer from Intertek Testing & Certification Ltd. (NB 0359) using the same issued original certificate number.



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy

UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0154X **Issue 00**
- Product:** Gas Analyzers
210BX followed by -AC or -DC; may be followed by -HEATED.
2010BX followed by -AC or -DC; may be followed by -HEATED.
3010BX followed by -AC or -DC; may be followed by -HEATED.
- Manufacturer:** Advanced Micro Instruments, Inc.
- Address:** 225 Paularino Avenue, Costa Mesa, CA 92626, USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 104567637DAL-002
Dated: 20-July-2021.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1: 2014, EN 60079-11: 2012 and EN 60079-26:2014 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



II 1/2 G Ex ia/db IIB + H2 T4 Ga/Gb

-32°C ≤ Ta ≤ 46°C

Certification Officer:

William Reilly
104567637

Date:

23 August 2021