



# 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](http://www.iecex.com)

Certificate No.: **IECEX ETL 21.0019X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2025-05-30\)](#)  
Date of Issue: 2026-01-26 [Issue 0 \(2025-02-24\)](#)  
Applicant: **Advanced Micro Instruments, Inc.**  
15501 Red Hill Ave Ste. 100  
Tustin, CA 92780  
**United States of America**  
Equipment: **Battery Powered Portable Analyzers Model 1000BX and 3000BX**  
Optional accessory:  
Type of Protection: **Intrinsic Safety 'ia'**  
Marking: Ex ia IIB+H2 T4 Ga  
-3.9°C ≤ Ta ≤ +46.1°C  
IECEX ETL 21.0019X

Approved for issue on behalf of the IECEx  
Certification Body:

**Hope Alm**

Position:

**Certification Officer**

Signature:  
(for printed version)

Date:  
(for printed version)

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](http://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**



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Page 2 of 4

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Manufacturer: **Advanced Micro Instruments, Inc.**  
15501 Red Hill Ave Ste. 100  
Tustin, CA 92780  
**United States of America**

Manufacturing  
locations:

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

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 Reports:

[US/ETL/ExTR21.0021/00](#)

[US/ETL/ExTR21.0021/01](#)

[US/ETL/ExTR21.0021/02](#)

Quality Assessment Report:

[US/ETL/QAR20.0008/04](#)



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Certificate No.: **IECEX ETL 21.0019X**

Page 3 of 4

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The product covered by this report is battery powered portable analyzers to measure ppm or % levels of oxygen (1000BX) and ppm levels of H<sub>2</sub>S (3000BX) in natural gas industry.

The product contains a metallic enclosure, sense mounting block, plastic membrane front panel cover containing switch controls, front panel connections for battery charging and data transfer in a non-hazardous area, rear panel connections for gas inlet and outlet and one PCB (2PCB190) and encapsulant battery pack. The encapsulated battery pack consists of three series connected 1.2V rechargeable Ni-Cd cells. The pack is mounted with screws to case and is not replaceable in hazardous location.

The enclosure is powder coated steel, with a plastic membrane front panel. The front panel includes a metal screw cover giving access to the removal gas sensor. The front panel also contains an LCD display window, membrane switches, a gas flow control knob and a plastic window to view the non-electrical gas flow meter.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- Battery powered equipment. Do not charge or replace battery in hazardous location.