



# 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 SIR 20.0039X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2021-02-02  
Applicant: **AGC Instruments Ltd**  
Unit 2, Shannon Free Zone West  
Shannon County Clare  
**Ireland**  
Equipment: **NovaPRO 9000 Process Gas Chromatograph, NovaAIR Process Gas Chromatograph**  
Optional accessory:  
Type of Protection: **Pressurised "pxb"**  
Marking: **Ex pxb IIB+H<sub>2</sub> T3 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**Neil Jones**

Position:

**Certification Manager**

Signature:  
(for printed version)

*PP McHalliwell*

Date:

2021-02-02

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:

**SIRA Certification Service**  
**CSA Group**  
**Unit 6, Hawarden Industrial Park**  
**Hawarden, Deeside, CH5 3US**  
**United Kingdom**

**sira**  
CERTIFICATION





# IECEx Certificate of Conformity

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Date of issue: 2021-02-02

Issue No: 0

Manufacturer: **AGC Instruments Ltd**  
Unit 2, Shannon Free Zone West  
Shannon County Clare  
**Ireland**

Additional  
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 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-2:2014-07** Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"  
Edition:6

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/SIR/ExTR21.0022/00](#)

Quality Assessment Report:

[GB/SIR/QAR20.0005/00](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The NovaPRO 9000 and NovaAIR Process Gas Chromatographs are used to measure the levels of impurities contained in matrix gas or alternatively to measure the total purity. They employ a number of columns to separate the individual gases and pass them to the detector. Each column and detector are housed in a temperature controlled oven. The output signal from the detector(s) produces an increased or decreased voltage that indicates the level of the individual gas. This information is analysed by the on-board computer which produces a graph showing the levels of impurities being analysed. The real-time clock circuit of the on-board computer includes an inherently safe coin cell, type CR2032 manufactured by Panasonic.

Refer to Annexe for additional EQUIPMENT information and CONDITIONS OF MANUFACTURE.

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

Refer to Annexe.

## **Annex:**

[IECEx SIR 20.0039X Annexe Issue 0.pdf](#)