



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 CML 20.0007** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-02-12

Applicant: **Ion Science Limited**
The Hive
Butts Lane
Fowlmere
Royston
SG8 7SL
United Kingdom

Equipment: **Portable Gas Detector type ARA******

Optional accessory:

Type of Protection: **Intrinsic Safety Ex ia**

Marking: Ex ia IIC T4 Ga
-40 °C ≤ Ta ≤ +60 °C (ARA100, ARA200, ARA400, ARA100H, ARA200H)
-30 °C ≤ Ta ≤ +60 °C (ARA300)

Approved for issue on behalf of the IECEx
Certification Body:

S. Roumbedakis

Position:

Technical Manager

Signature:
(for printed version)

Date:

2020-02-12

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **Ion Science Limited**
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Butts Lane
Fowlmere
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SG8 7SL
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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 60079-11:2011 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 Report:

[GB/CML/ExTR20.0011/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0023/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Portable Gas Detector type ARA**** are personal safety devices designed to detect the presence of specific toxic gases (Hydrogen Sulfide (H₂S), Carbon Monoxide (CO), Sulfur Dioxide (SO₂) or Oxygen (O₂) deficiency.

The detector comprises a hand-held detector with a specific sensor which determines the type number.

ARA100	Hydrogen Sulfide (H ₂ S) gas detector
ARA200	Carbon Monoxide(CO) gas detector
ARA300	Oxygen(O ₂) gas detector
ARA400	Sulfur Dioxide(SO ₂) gas detector
ARA100H	Hydrogen Sulfide(H ₂ S) gas detector - Hibernation Option
ARA200H	Carbon Monoxide(CO) gas detector - Hibernation Option

In the case of an alarm, the detector can provide flashing LED, audible and vibration warnings. Communications with the detector is made via an infrared port in the safe area.

SPECIFIC CONDITIONS OF USE: NO