



# 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.:	<b>IECEX BAS 11.0014</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 9	Issue 8 (2020-06-04)
Date of Issue:	2020-12-21		Issue 7 (2019-08-08)
Applicant:	<b>Ion Science Limited</b> The Hive Butts Lane Fowlmere Royston SG8 7SL <b>United Kingdom</b>		Issue 6 (2018-09-25)
Equipment:	<b>Cub</b>		Issue 5 (2017-08-01)
Optional accessory:			Issue 4 (2016-08-25)
Type of Protection:	<b>Intrinsic Safety</b>		Issue 3 (2016-01-15)
Marking:	<b>Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +55°C)</b>		Issue 2 (2013-08-30)
			Issue 1 (2012-07-12)
			Issue 0 (2012-03-19)

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:

21.12.2020

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:

**SGS Baseefa Limited**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton, Derbyshire, SK17 9RZ**  
**United Kingdom**





# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 11.0014**

Page 2 of 4

Date of issue: 2020-12-21

Issue No: 9

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

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 Reports:

[GB/BAS/ExTR10.0259/01](#)  
[GB/BAS/ExTR16.0026/00](#)  
[GB/BAS/ExTR19.0184/00](#)

[GB/BAS/ExTR12.0171/00](#)  
[GB/BAS/ExTR16.0147/00](#)  
[GB/BAS/ExTR20.0002/00](#)

[GB/BAS/ExTR12.0183/00](#)  
[GB/BAS/ExTR17.0325/00](#)  
[GB/BAS/ExTR20.0189/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0023/09](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 11.0014**

Page 3 of 4

Date of issue: 2020-12-21

Issue No: 9

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Cub is a self-contained battery powered hand-held gas detector intended to monitor the concentration of Volatile Organic Compounds (VOC) or various toxic gasses, dependent on which sensor is fitted. It produces alarms (audible, visual and vibrator) if pre-set levels are exceeded. The particular gas being monitored is shown on the display for a short time at switch on.

It is powered by a rechargeable battery, which is recharged by placing the gas detector into a Docking Station located in a non-hazardous area. Whilst in the Data or Calibration Docking Station, data can be transferred to and from other non-hazardous area equipment such as a computer. Whilst in the Charge Docking Station, only recharging is done.

The apparatus must only be recharged when in a non-hazardous area using one of the Ion Science Docking Stations as shown in the instructions for use.

The VOC sensor is from the Mini PID range covered by Certificates IECEx BAS07.0030U and the other sensors are electrochemical cells which do not require individual certification. The sensors must only be changed when in a non-hazardous area.

The apparatus is not designed for use in oxygen enriched atmospheres.

**SPECIFIC CONDITIONS OF USE: NO**



# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 11.0014**

Page 4 of 4

Date of issue: 2020-12-21

Issue No: 9

## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

### Variation 8.1

Minor variation to the charger PCB not affecting previous certification.

ExTR: **GB/BAS/ExTR20.0189/00**

File Reference: **20/0566**