



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BAS 07.0030U** issue No.:7

Status: **Current**

Date of Issue: **2015-12-16** Page 1 of 4

Applicant: **Ion Science Limited**
The Way
Fowlmere
Cambridgeshire
SG8 7UJ
United Kingdom

Certificate history:
Issue No. 7 (2015-12-16)
Issue No. 6 (2013-2-8)
Issue No. 5 (2011-10-20)
Issue No. 4 (2010-5-28)
Issue No. 3 (2008-9-29)
Issue No. 2 (2007-12-5)
Issue No. 1 (2007-11-9)
Issue No. 0 (2007-8-23)

Electrical Apparatus: **MiniPID or IonPID Range**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4 Ga For ambient temperature limits see Annexe**


Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)


17-12-15

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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Manufacturer: **Ion Science Ltd**
The Way
Fowlmere
Cambridgeshire
SG8 7UJ
United Kingdom

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 6.0

*This Certificate **does not** indicate compliance with electrical 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/BAS/ExTR07.0056/01

GB/BAS/ExTR07.0146/00

GB/BAS/ExTR07.0181/00

GB/BAS/ExTR08.0135/01

GB/BAS/ExTR09.0195/00

GB/BAS/ExTR11.0231/00

GB/BAS/ExTR12.0273/00

GB/BAS/ExTR15.0368/00

Quality Assessment Report:

GB/BAS/QAR07.0023/05



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The **MiniPID STD** or **IonPID STD** is designed to detect trace gases in a sample by detection of photo ionisation currents. It comprises electronic circuits on PCBs and a small cold discharge lamp, all contained in a cylindrical plastic enclosure with a removable grid assembly at one end (to enable replacement of the lamp when required), and three pins for electrical connection at the opposite end.

The **MiniPID REG** or **IonPID REG** is the same as MiniPID STD or IonPID STD except that it has an internal voltage regulator to allow higher Supply voltage.

The **MiniPID PLUS** or **IonPID PLUS** is similar to the MiniPID STD or IonPID STD except that it is fitted with a 6 pin connector and has extra signal connections available for other circuit functions.

For parameters, marking, and Schedule of Limitations for all versions, see Annexe

CONDITIONS OF CERTIFICATION: NO



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

Variation 7.1

This issue of certificate permits a new ASIC with an extension to the RF screen to cover the ASIC.

ExTR: GB/BAS/ExTR15.0368/00

File Reference: 15/0801