



## 1. Supplementary EU - TYPE EXAMINATION CERTIFICATE

### 2. Equipment and Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3. Supplementary EC - Type Examination Certificate Number: **IonScience09849X/3**

Ion Science in accordance with Article 41 of Directive 2014/34/EU, EC-Type declaration referring to 94/9/EC that were in existence prior to the date of the application of 2014/34/EU (20<sup>th</sup> of April 2016) may be referred as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates may continue to bare the original certificate number issued prior to 20<sup>th</sup> of April 2016.

4. Equipment or Protective System: **TVOC 2**

5. Manufacture: **Ion Science Limited**

6. Address: **The Hive, Butts Lane, Fowlmere, Cambridgeshire, SG8 7SL**

7. This supplementary certificate extends the EC- Type certificate No IonScience09849 to apply to products designed and constructed in accordance with the specifications set out in the schedule of the said certificate but having any variations specified in the Schedule attached to this and the documents therein referred to.


8. Ion Science Ltd in accordance with Article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014 certifies that this product, as modified by this supplementary certificate but having and variations specified in the schedule attached to this certificate and the documents therein referred to.

9.

10.

11.

12. The marking of the equipment or protective system shall include the following

 **II 3G Ex nA IIC T4 Gc (-40°C < Ta < +50°C)**

This certificate may only be reproduced in its entirety, without any change, schedule included.

Ion Science Project File No. **900**

Ion Science Report No **900213**

This certificate is granted subject to the general terms and conditions of product use. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

A blue ink signature, likely belonging to G Davies, written in a cursive style.

G Davies Quality Manage  
On behalf of  
Ion Science Ltd

ION Science Ltd  
The Hive, Butts Lane, Fowlmere, Cambs,  
SG8 7SL, UK

T +44 (0) 1763 208503  
E info@ionscience.com  
[ionscience.com](http://ionscience.com)



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### 13. Description of Variation in the product

To update the certification to the latest version of EN 60079-0 and EN 60079-15 and associated changes.  
The TVOC 2 is intended for use with MiniPID Sensor, marked Baseefa07ATEX0060U and IECEx BAS 07.0030U.

### 14. Report Number

900213

### 15. Special Conditions for Safe Use

Electrostatic discharge hazard. Refer to equipment instructions for guidance to minimise the risk of electrostatic discharge.

### 16. Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 17. Drawings and Documents

Number	Sheet	Issue	Date	Description
ATEX0052	*	8	14/05/2019	TVOC GA (Zone 1)
ATEX0081		2	07/08/2019	TVOC GA – ATEX Zone 2
CERT0182	*	1a	14/05/2019	TVOC II GA
CERT0183	*	3	09/04/2019	TVOC II Sensor Board Circuit
CERT0184	*	2	11/04/2019	TVOC II Sensor PCB
CERT0185	*	3	17/01/2019	TVOC II Main Board Circuit
CERT0186	*	1	18/01/2019	TVOC II Main PCB
CERT0187	*	3	16/01/2019	TVOC II Schedule of Safety Critical Components

ION Science Ltd  
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SG8 7SL, UK

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[ionscience.com](http://ionscience.com)