1 # UK-TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3	UK-Type Examination Certificate Number:	**BAS21UKEX0510X Issue 1**
4	Product:	**TraceTek TT-TAR Transducer**
5	Manufacturer:	**Chemelex LLC**
6	Address:	**899 Broadway Street, CA, 94063-3104 United States of America**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulations 42 and 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

8.1 The BAS prefix to the Certificate Number indicates that the certificate was issued by SGS Baseefa Ltd. prior to the change of entity to SGS United Kingdom Limited. Such certificates remain valid with their original number.

The examination and test results are recorded in a confidential report identified in the revision table at item 20.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN 60079-11:2012**

except in respect of those requirements listed at item 18 of the Schedule.
This certificate issue is for the sole purpose of recording a change to the certificate holder's name/address. A technical review has not been undertaken and the standards remain at the editions listed previously.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ex II 1 G Ex ia IIA T4 Ga (-40°C ≤ Ta ≤ +60°C)

SGS Customer Reference No. **0865** Project File No. **25/0111**

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UKAS PRODUCT CERTIFICATION
0191

Authorised Signatory

13 # Schedule

14 ## Certificate Number BAS21UKEX0510X – Issue 1

15 Description of Product

The TraceTek TT-TAR Transducer is an intermediary device designed to monitor either; a number of TT-FFS discrete fuel sensors or a length of TT-5000 series sensing cable, and relay a 4-20mA signal containing information regarding the status of the sensing element(s) to equipment located in the non-hazardous area.

The TT-TAR is encapsulated within a black Polypropylene tube; there is a plug on one side for connection to the sensing element(s) and an integral cable on the other for connection to certified safe area equipment.

Input / Output Parameters

U_i = 28V	C_i = 0.33µF	$U_o = U_i$
I_i = 93mA	L_i = 0	$I_o = I_i$
P_i = 0.65W		$P_o = P_i$

16 Report Number

See Item 20 – Certificate History

17 Specific Conditions of Use

1. The enclosure poses a potential electrostatic hazard; clean only with a damp cloth

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21(1)	External effects
21(2)	Aggressive substances, etc.

19 Drawings and Documents

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

Number	Sheet	Issue	Date	Description
1012-2530	1	G	20 June 2022	TRACETEK TT-TAR APPARATUS APPROVAL LABEL
Baseefa11ATEX0276X				

20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0510X Issue 0	25 March 2024	**Prime Certificate** **Report Number: GB/BAS/ExTR21.0184/00** **Project Number: 23/0333** **Original issue of the certificate**

Certificate No.	Date	Comments
BAS21UKEX0510X Issue 1	19 November 2025	The issue of this certificate permits existing information (for example on Certificate Schedule Drawings or label marking) to be updated to show the new name, no other changes may be made to the certified design. A technical review has not been undertaken, and the standards remain at the editions listed previously. Report Number: None Project Number: 25/0111
For drawings applicable to each issue, see original of that issue.		