1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa11ATEX0276X – Issue 4**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced 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 bear the original certificate number issued prior to 20 April 2016.

4 Product: **TraceTek TT-TAR Transducer**

5 Manufacturer: **Chemelex LLC**

6 Address: **899 Broadway Street, CA, 94063-3104 United States of America**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa11ATEX0276X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, 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 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 Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History.**

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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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:

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

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

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SGS Fimko Oy
Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 9 696 361
www.sgs.com
Business ID 0634247-4 Member of the SGS Group (SGS SA)

FINAS
Finnish Accreditation Service
S003 (EN ISO/IEC 17065)

Mikko Välimäki
SGS Fimko Oy

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0276X – Issue 4**

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 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
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

None.

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
1012-2530*	1	G	20 June 2022	TRACETEK TT-TAR APPARATUS APPROVAL LABEL
1012-2520	1 -2	C	10/03/13	TT-TAR Assembly Module
1012-2506	1 of 1	B	20-AUG-2013	TT-TAR Assembly PCB
1012-2522	1 of 1	C	10/03/13	Final Assembly TT-TAR
1012-2509	1 of 1	B	20-AUG-2013	TT-TAR Schematic

*This drawing is common to BAS21UKEX0510X

All drawings are common to IECEx BAS 11.0141X

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0276X	21 May 2012	The release of the prime certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR12.0091/00.
Baseefa11ATEX0276X Issue 1	29 October 2014	To permit minor drawing changes and changes to the marking label that do not affect the intrinsic safety of the equipment. To correct the certified standards. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR12.0263/00.
Baseefa11ATEX0276X Issue 2	17 January 2019	To confirm the certificate is now held in the name of nVent Thermal LLC. To update the product marking labels to show the name of nVent Thermal LLC. SGS Baseefa certification report GB/BAS/ExTR18.0123/00 refers.
Baseefa11ATEX0276X Issue 3	25 March 2024	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-0:2018. Certification report GB/BAS/ExTR21.0184/00 refers.
Baseefa11ATEX0276X Issue 4	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.		