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: **Baseefa09ATEX0150X – Issue 7**

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: **TT-FLASHER-BE**

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. **Baseefa09ATEX0150X** 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** **EN 60079-28:2015**

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 op is IIC T4 Ga (-20°C ≤ Ta ≤ +40°C)

SGS Fimko Oy Customer Reference No. **865** Project File No. **25/0540**

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S003 (EN ISO/IEC 17065)

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13 **Schedule**

14 **Certificate Number Baseefa09ATEX0150X – Issue 7**

15 Description of Product

The TT-FLASHER-BE is designed to provide a flashing light signal whenever a connected sensor cable or probe detects a leak.

The equipment is completely self-contained in a graphite impregnated fiberglass reinforced polyester plastic enclosure and is powered by two AA alkaline cells. All of the electronics with the exception of the cells and the tips of the LEDs are completely encapsulated by the potting material.

A cable with connector is provided for connection to simple apparatus such as sensor cables or probes for the detection of leaks.

Integral Cable and Connector

U_o = 3.3V
I_o = 7.3mA
P_o = 6.02mW
C_o = 100µF
L_o = 200mH

16 Report Number

See Certificate History.

17 Specific Conditions of Use

1. The coloured lens of the equipment is a potential electrostatic charging hazard – Clean only with a damp cloth do not mount in a high velocity dust laden atmosphere.

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:

Clause	Subject	Compliance
1.2.7	LVD type requirements	Covered by manufacturer's instructions.
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues.
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
9P000000909*	1 – 2	P	01/07/2026	TT-FLASHER-BE-APP LABEL
9P000000983	1 – 2	I	10/22/2025	TT-FLASHER-BE-INSLABL
1029-2200	1 of 1	D	24-NOV-2025	TT-FLASHER-BE Schematic
1029-2300	1 – 2	G	24-NOV-2025	TT-FLASHER-BE Assembly
1029-2300-BOM	1 – 2	G	25/Nov/2025	TT-FLASHER-BE PCB ASSEMBLY-BOM

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
1029-3100	1	D	02/18/18	TT-Flasher-BE Installation
1029-2700	1	B	7/17/13	TT-FLASHER-BE Housing Modification
906632	1 – 2	V	04/24/14	SFP-JBS-100-ENCLOSURE-A
1029-2100	1 – 8	C	03-SEP-2013	TT-FLASHER-BE: A/W & DRILL DWG
1029-3000	1-3	D	01-18-17	TT-FLASHER-BE FINAL ASSEMBLY
1029-3001	1-8	D	01-18-17	TT-FLASHER-BE BOM DETAILS
1029-3002	1 – 13	C	17-JUL-2013	TT-FLASHER-BE Assembly Details
1029-3100	1	C	7/17/13	TT-FLASHER-BE Installation

*This drawing is common to BAS21UKEX0590X.

All drawings are common to IECEx BAS 09.0064X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa09ATEX0150X	29 June 2009	The release of the prime certificate. The associated test and assessment is documented in Test Report Nos. GB/BAS/ExTR09.0092/00 and GB/BAS/ExTR09.0093/00
Baseefa09ATEX0150X/1	19 November 2009	To permit the addition of battery disposal information to the equipment label. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR09.0229/00
Baseefa09ATEX0150X Issue 2	20 November 2014	To permit minor changes to the drawings not affecting the intrinsic safety of the equipment. To confirm that the TT-FLASHER-BE has been assessed against the requirements of IEC 60079-0:2011 and IEC 60079-11:2011 in respect of the difference to IEC 60079-0:2004, IEC 60079-11:2006 and IEC 60079-26:2004. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR14.0280/00
Baseefa09ATEX0150X Issue 3	2 February 2017	To permit minor changes to the drawings not affecting the intrinsic safety of the equipment. To confirm that the TT-FLASHER-BE has been assessed against the requirements of EN60079-0: 2012+A11: 2013, and EN60079-28: 2015. The marking is updated to include “op is” The associated test and assessment is documented in Test Report No GB/BAS/ExTR17.0016/00 for Project 17/0040.
Baseefa09ATEX0150X Issue 4	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.

Certificate No.	Date	Comments
Baseefa09ATEX0150X Issue 5	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.
Baseefa09ATEX0150X Issue 6	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
Baseefa09ATEX0150X Issue 7	23 February 2026	To permit minor changes in equipment design and drawings not affecting the intrinsic safety of the equipment. The associated test and assessment is documented in Test Report No GB/SGS/ExTR25.0171/00. Project Number 25/0540.
For drawings applicable to each issue, see original of that issue.		