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:	**BAS21UKEX0509X Issue 2**
4	Product:	**TT-FLASHER-BE**
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 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 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 op is IIC T4 Ga (-20°C ≤ Ta ≤ +40°C)

SGS Customer Reference No. **0865** Project File No. **25/0540**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and the Supplementary Terms and Conditions accessible at https://www.sgs.com/-/media/sgscorp/documents/corporate/technical-documents/baseefa-documents/sgs-cts-baseefa-terms-and-conditions.cdn.en-GB.pdf. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful, and offenders may be prosecuted to the fullest extent of the law.

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UKAS PRODUCT CERTIFICATION
0191

Authorised Signatory

13 # Schedule

14 ## Certificate Number BAS21UKEX0509X – Issue 2

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 Item 20 – 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
13	LVD type requirements	Covered by manufacturer's instructions.
14	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
21(1)	External effects	The Purchaser should make the manufacturer aware of such issues.
21(2)	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues.

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
9P000000909	1 - 2	P	01/07/2026	*TT-FLASHER-BE-APP LABEL

See Baseefa09ATEX0150X Issue 7 for a full list of applicable drawings.

Note: * is included before the title of documents that are new or revised.

20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0509X Issue 0	25 March 2024	**Prime Certificate** **Report Number: GB/BAS/ExTR21.0184/00** **Project Number: 23/0333** **Original issue of the certificate**
BAS21UKEX0509X 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
BAS21UKEX0509X Issue 2	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.		