

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 **Baseefa07ATEX0085X – Issue 2**
Number:

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: **XLS Box**

5 Manufacturer: **Kinetrol Limited**

6 Address: **Trading Estate, Farnham, Surrey, GU9 9NU**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa07ATEX0085X** 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 60079-1: 2014 EN 60079-31: 2014

except in respect of those requirements listed at item 18 of the Schedule.

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:

⊕ II 2 GD Ex db IIC T* Gb Ta -40°C to +*°C
Ex tb IIIC T*°C Db IP66 Ta -20°C to +*°C * See Schedule

SGS Fimko Oy Customer Reference No. **0622**

Project File No. **13/0639**

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Tuomas Hänninen
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Schedule

14

Certificate Number Baseefa07ATEX0085X – Issue 2

15 Description of Product

The XLS Box comprises a circular enclosure with a threaded cover manufactured from aluminium. The enclosure has a steel operating rod passing through the centre of the base and cover. The top of the operating rod may be fitted with an indicating assembly, and the base of the shaft is fitted with a square socket for connection to various types of instruments. Internally there is a series of microswitches, a PCB, and connecting terminals which may be installed in different configurations to create different Flameproof Limit Switch units.

Alternatively the limit switch may be provided with flame arresters and pneumatic switches within the enclosure when the maximum air line pressure is 7bar and the maximum ambient temperature is 60°C. Models with this arrangement are designated with the model number *****XE**S****, and are not for use in explosive dust atmospheres.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified stopping plugs. When used in an explosive dust atmosphere, the cable entry devices shall maintain the ingress protection of the enclosure.

Internal and external earthing facilities are provided.

The equipment may be marked:

Ex db IIC T5/T6 Gb
T5 $-40^{\circ}\text{C} \leq t_a \leq +80^{\circ}\text{C}$ / T6 $-40^{\circ}\text{C} \leq t_a \leq +70^{\circ}\text{C}$
Ex tb IIIC T95°C Db $-20^{\circ}\text{C} \leq t_a \leq +80^{\circ}\text{C}$ IP 66

Equipment with model number *****XE**S**** shall be marked:

Ex db IIC T6 Gb $-40^{\circ}\text{C} \leq t_a \leq +60^{\circ}\text{C}$

16 Report Number

See certificate history

17 Specific Conditions of Use

1. It is the responsibility of the installation engineer to ensure that suitably IECEx/ATEX gas group IIC equipment certified cable glands and blanking plug are installed, which are suitable for the ambient temperature range, in accordance with IEC60079-14. Selection of entry devices shall also ensure that the IP rating of IP66 is maintained.
2. Potential electrostatic charging hazard – See instruction.
3. Flameproof joints are not intended to be repaired
4. When fitted with flame arrestors the equipment must not be used where atmospheric pressure exceeds 1070mbar. (1.07bar)

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
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
99-095-2	1	A	04-05-20	ATEX Approval label
99-097-4	1	A	08-02-21	ATEX & IECEx label portion
99-097-5	1	A	04-05-20	Triple approval label (ATEX)
99-097-6	1	A	04-05-20	Dual approval label
99-346-2	1	A	20-11-20	ATEX approval label for XLS fitted with breathing devices *****XE**S**** or production specification
52-000-346	1	B	21-03-06	Monitor with anti-static film
52-000-349	1	A	04-09-13	Monitor with anti-static film (ATEX)
315-000-003	1	H	24-11-20	XLS Box General construction and labeling
315-000-047	1	A	27-04-15	Flame arrestor GA
315-004-011	1	H	09-01-19	Approval drawing box 1-4 port
315-005-002	1	F	09-01-19	Approval drawing lid
315-017-001	1	E	21-01-14	XLS Box ATEX approval drawing Coupling
315-046-001	1	B	26-03-21	XLS Breathing device holders
315-047-001	1	B	26-03-21	XLS ATEX Breathing device tube
315-048-001	1	B	26-03-21	XLS Breathing device Intermediate
315-051-001	1	A	20-11-20	XLS Breathing device external block

These drawings are common to and held with IECEx BAS 07.0014X

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
SK3490	1	A	08/02/06	Cap Antistatic

20 Certificate History

Certificate No.	Date	Comments
Baseefa07ATEX0085	10 April 2007	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2006, EN 60079-1: 2004, IEC 61241-0: 2006 and IEC 61241-1: 2004 is documented in Test Report No. GB/BAS/ExTR07.0031/00.
Baseefa07ATEX0085/1	30 March 2009	To permit minor modifications including a 2mm undercut to the cable entries. The associated assessment is documented in Test Report GB/BAS/ExTR09.0051/00.

Certificate No.	Date	Comments
Baseefa07ATEX0085X Issue 2	27 April 2021	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, EN 60079-1: 2014 and EN 60079-31: 2014 including the revision of the equipment marking in accordance with these standards. The temperature ratings and ambient temperature range has been revised along with the introduction of a new model variant incorporating a solenoid and breathing device arrangement, and other minor drawing modifications. The associated assessment is documented in Test Report GB/BAS/ExTR15.0223/00.
For drawings applicable to each issue, see original of that issue.		