

EU - TYPE EXAMINATION CERTIFICATE

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

EU - Type Examination Certificate **Baseefa10ATEX0097X – Issue 3**
Number:

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.

Product: **Type 914 EX Static Eliminator Bar**

Manufacturer: **Meech Static Eliminators Limited**

Address: **2 Network Point, Range Road, Witney, Oxfordshire, OX29 0YN**

This re-issued certificate extends EC Type Examination Certificate No. Baseefa10ATEX0097X 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.

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.

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**

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

Direct assessment against Directive 2014/34/EU

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

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.

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.

The marking of the product shall include the following:

II 2GD IIA T6 Gb Tamb -20°C to +30°C
IIIC T85°C Db Tamb -20°C to +30°C

SGS Fimko Oy Customer Reference No. **1402**

Project File No. **25/0136**

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Schedule

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Certificate Number Baseefa10ATEX0097X – Issue 3

15 Description of Product

The Model 914 EX Static Eliminator Bar, rated at up to 5kV 50/60Hz from a Meech power supply, is designed for the elimination of electrostatic problems associated with the processing of highly resistive web materials.

The unit is available in active lengths of 10cm to 4m and comprises a PVC ‘U’ section bar into which are encapsulated a series of 80M Ohms resistive elements. At intervals, discharge pins protrude through the surface of the encapsulant and into the open part of the ‘U’ section. Each discharge pin is coupled to the supply cable via one of the resistive element.

A PVC end block is positioned at each end of the bar, and the complete assembly is slotted into an aluminium hollow section extrusion, at the incoming end of which is fitted an aluminium entry block which provides cable entry facilities. The exposed ends of the bar are fitted with PVC end caps.

A flexible PVC coated steel conduit is fixed to the aluminium entry block by means of a threaded cable entry device. The steel conduit provides mechanical protection for the high voltage supply cable. The cable enters the encapsulant and connects to each of the resistive elements via a common rail on the resistor boards. Mounting of the bar is by means of threaded 20mm M4 studs on the underside of the aluminium hollow section extrusion.

16 Report Number

See certificate history

17 Specific Conditions of Use

1. The static eliminator bar shall be installed according to the manufacturer’s installation instructions for the Model 914 EX.
2. The static eliminator bar must be protected from mechanical impact.
3. If there is any damage to the web or material that is being neutralised by the static eliminator bar, then the bar must be checked for damage and relevant maintenance or replacement of the bar carried out.
4. The 914 EX static eliminator bar shall be used in conjunction with only Meech Type 905 or 906HL power supplies. The power supplies are pre-set by the manufacturer and are not to be configured by the end user.
5. The power supply must be protected by a fuse capable of withstanding a prospective short circuit current of 1500A.
6. When used in dust environments, the equipment may not be used in association with dusts having an electrical resistance equal to or less than $10^3\Omega.m$.
7. When used in dust environments, the equipment may be used only with dusts requiring an ignition energy of greater than 0.2mJ.
8. The user must determine, in consultation with the manufacturer, the suitability of the apparatus for use with particular solvents.

18 Essential Health and Safety Requirements

Conformity with the relevant Essential Health and Safety Requirements has been assured by direct assessment and justification within the report.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
D2868-XXXX	1 - 2	3A	06/08/2025	914Ex Technical Label

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
DMEE0467	1 of 1	2	04.07.2013	914 Assembly

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0097X	9 September 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2009 and EN 60079-18:2009 is documented in Test Report No. 09(C)0930.
Baseefa10ATEX0097X /1	12 November 2004	To allow an alternative high voltage supply cable – no report.
Baseefa10ATEX0097X Issue 2	7 May 2024	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of Directive 2014/34/EU including the revision of the equipment marking to remove reference to the standards previously used. Minor drawing modifications. Report number GB/SGS/ExTR23.0164/00
Baseefa10ATEX0097X Issue 3	12 August 2025	This issue of the certificate allows the introduction of the 906HL power supply. Specific Condition of Use number four has been amended to accommodate this change. Report number 25(C)0136
For drawings applicable to each issue, see original of that issue.		