



EC - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC

- 3 EC - Type Examination Certificate Number: **Baseefa10ATEX0097X**
- 4 Equipment or Protective System: **Type 914 EX Static Eliminator Bar**
- 5 Manufacturer: **Meech Static Eliminators Limited**
- 6 Address: **2 Network Point, Range Road, Witney, Oxfordshire, OX29 0YN**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **09(C)0930**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009 EN 60079-18:2009
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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

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

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **1402**

Project File No. **09/0930**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa10ATEX0097X

15 Description of Equipment or Protective System

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.

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17 Special Conditions for Safe 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 power supplies.
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

As follows, in addition to those covered by the standards at item 9.

Clause	Subject	Compliance
1.2.7	Protection Against Other Hazards	Baseefa Ltd Report 09(C)0930, Clause 5.1
1.3.1	Hazards Arising From Different Ignition Sources	Baseefa Ltd Report 09(C)0930, Clause 5.2

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
DMEE0467	1 of 1	1	08.06.2010	914 Assembly
D1739	1 of 1	B	31.08.2011	914Ex ATEX Label