



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: **Baseefa03ATEX0021X – Issue 3**
- 4 Equipment or Protective System: **TX5814 & TX6114 Pressure Transmitters**
- 5 This certificate is held by: **Trolex Ltd**
- 6 Address: **Stockport, Cheshire, SK7 5DY**
- 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's. **01(C)0215, 02(C)0090**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2009 EN 60079-11: 2007
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 I M1 Ex ia I Ma (-20°C ≤ Ta ≤ +60°C)

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

Baseefa Customer Reference No. **1159**

Project File No. **12/0198**

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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Baseefa is a trading name of Baseefa Ltd
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R.S. SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa03ATEX0021X – Issue 3

15 Description of Equipment or Protective System

TX5814 & TX6114 Pressure Transmitters are designed to produce an output signal proportional to the pressure in a fluid. The output signal is configured as a 2 wire 4-20mA output. The options are detailed on the label drawing listed below.

The apparatus comprises a pressure sensor assembly, an amplifier board, and an RFI board, all housed in a stainless steel enclosure.

External connections are made by means of an integral cable with a maximum length of 150m, or by a plug and socket arrangement.

Input parameters

$$U_i = 16.5V$$

$$C_i = 0.05\mu F$$

$$L_i = 0.35mH$$

or
$$L_i/R_i = 5\mu H/\Omega$$

The apparatus is identical to that covered by Certificate MECS01ATEX4126X except for the marking of the label.

16 Report Number

None

17 Specific Conditions of Use

1. The screen of the integral cable may be connected internally to the frame of the apparatus; this must be taken into account when installing the apparatus.
2. Pin 4 of the optional plug/socket arrangement is connected internally to the frame of the apparatus; this must be taken into account when installing the apparatus.
3. The equipment is not capable of withstanding the 500V insulation test required by clause 6.3.12 of EN 60079-11: 2007. This must be taken into account when installing the apparatus.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

New drawings/documents submitted for this issue of certificate.

| Number | Sheet | Issue | Date | Description |
|--------|-------|-------|----------|---|
| 562389 | - | 4 | 22-08-12 | IS Pressure Transmitter Type 261MX (Trolex Version) |
| 562008 | - | 4 | 22-08-12 | Series 261M Trolex Part Numbering System |

For other drawings associated with this certificate see MECS01ATEX4126X/7.



20 Certificate History

| Certificate No. | Date | Comments |
|--|------------------|--|
| Baseefa03ATEX0021X | 29 January 2003 | The release of the prime certificate. The associated test and assessment is documented in Test Report No's. 01(C)0215 and 02(C)0090 |
| Baseefa02ATEX0235X/1 | 7 May 2003 | To permit a change to the connector pin numbering, and the use of alternative connection assemblies. |
| Baseefa02ATEX0235X/2 | 10 July 2006 | To permit minor additions to the labels. |
| Baseefa02ATEX0235X Issue 3 | 5 September 2012 | 1. To permit a change of equipment name. 2. To confirm that the TX5814 and TX6114 Pressure Transmitters have been reviewed against the requirements of EN 60079-0: 2009 and EN 60079-11: 2007 |
| For drawings applicable to each issue, see original of that issue. | | |