



05/05/2023: Certificate no longer valid

1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 02ATEX2387X** Issue: **1**

4 Equipment: **M6420-Series (TX6114.01.YY.ZZ.PD320, TX6114.01.YY.ZZ, TX6114.02.YY.ZZ and TX5814.01) P6420-Series, P9420-Series, S6420-Series (TX5812.02), A-Series and B-Series Transducers**

5 Applicant: **Trolex Ltd**

6 Address: Newby Road
Hazel Grove, Stockport
SK7 5DY, UK

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50014:1997 (amendments 1 and 2)
EN 50020:2002
EN 50284:1999
EN 50303:2000

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



I M1
EEx ia I (T_a = -20°C to +90°C)



II 1G
EEx ia IIC T4 T_a = -20°C to +90°C

Project Number 3407

Signed:

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 02ATEX2387X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The M6420-Series, P6420-Series, P9420-Series, S6420-Series, A-Series and B-Series are a family of transducers designed to measure pressures that range from a few millibars to one thousand bar. The housing is manufactured in several shapes, sizes and materials for a variety of industrial applications. The interface to the pressure port is configured to the customer's requirement but is typically a threaded boss fitting. Electrical connections to the transducers are made via one of a range of connectors or cable entries. The transducers have the following safety description and alternative product references:

M6420-Series				
Model	i (Group I)	iF (Group I Fused)	ii (Group II Standard)	G (Group II Surge)
U _i	28 V	16.5 V	28 V	28 V
I _i	120 mA	-	120 mA	120 mA
P _i	0.84 W	-	0.84 W	0.84 W
C _i	60 nF	60 nF	60 nF	53 nF
L _i	0	0	0	0
Alternative ref.	-	TX6114.01.YY.ZZ.PD320 TX6114.01.YY.ZZ TX5814.01	TX6114.02.YY.ZZ Series 510 Series 503FR	-

P6420-Series				
Model	i (Group I)	iF (Group I Fused)	ii (Group II Standard)	G (Group II Surge)
U _i	28 V	16.5 V	28 V	28 V
I _i	120 mA	-	120 mA	120 mA
P _i	0.84 W	-	0.84 W	0.84 W
C _i	60 nF	60 nF	60 nF	53 nF
L _i	0	0	0	0

Model	P9420-Series		S6420-Series
	(Group II Standard)	(Group II Surge)	ii (Group II Surge)
U _i	28 V	28 V	28 V
I _i	120 mA	120 mA	120 mA
P _i	0.84 W	0.84 W	0.84 W
C _i	60 nF	53 nF	53 nF
L _i	0	0	0
Alternative ref.	-	-	TX5812.02



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Model	A-Series and B-Series	
	A-K (Group II Standard)	B-K (Group II Surge)
U _i	28 V	28 V
I _i	120 mA	120 mA
P _i	0.84 W	0.84 W
C _i	60 nF	53 nF
L _i	0	0

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	21 March 2003	R52V1008A	The release of the prime certificate.
1	31st October 2019	3407	Transfer of certificate Sira 02ATEX2387X <ul style="list-style-type: none"> from Sira Certification Service to CSA Group Netherlands B.V.. EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(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. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>

14.3 Certificate number Sira 02ATEX2386X dated 28 February 2003

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 Some transducers have an enclosure manufactured from aluminium alloy. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered when the equipment is installed in locations that specifically require group II, category 1G equipment.

15.2 In the case of the B-Series pressure transducer and the S6420-Series level transducer, the circuit is not isolated from its enclosure and does not meet the 500 V insulation test; this shall be taken into account when it is installed.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

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6812 AR, Arnhem Netherlands

Certificate Annexe



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Certificate Number: Sira 02ATEX2387X

Equipment: M6420-Series (TX6114.01.YY.ZZ.PD320, TX6114.01.YY.ZZ, TX6114.02.YY.ZZ and TX5814.01) P6420-Series, P9420-Series, S6420-Series (TX5812.02), A- Series and B-Series Transducers

Applicant: Trolex Ltd

Issue 0

Drawing no.	Rev.	Sheets	Date	Title
A1972	3	1 of 1	23 Oct 02	Trolex (TX6) Standard Group II ATEX Identification Label
A1973	5	1 of 1	23 Oct 02	Trolex (TX6) Unfused Group I ATEX Identification Label
A2216	3	1 of 1	23 Oct 02	Trolex (TX6) Fused Group I ATEX Identification Label
A2217	3	1 of 1	23 Oct 02	Trolex (TX5) Fused Group I ATEX Identification Label
A2330	3	1 of 1	23 Oct 02	Trolex (TX5) Surge Group II ATEX Identification Label

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