

**Australian/New Zealand
Certification Scheme for
EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT
ANZEx Scheme**

Certificate of Conformity

Certificate No.: **ANZEx 07.3066X**

Issue No.: **0**

Date of Issue: **13/11/2007**

Certificate Holder: Trolex Limited
10 Newby Road
Stockport SK7 5DY
England

Electrical Apparatus: STX 3261 Methane Sensor

Type of Protection: Ex ia (Ta = 55 °C)

Marking Code: Trolex Limited
STX3261 Methane Sensor Model STX3261.01.11(or 12).
Ex ia I (Ta = 55 °C)
ANZEx 07.3066X
S.No. ...

Manufacturing Location(s): Trolex Limited
10 Newby Road
Stockport SK7 5DY
England

The EPEE certification database located at <http://www.anzex.com.au> shows the validity of this Certificate.

This certificate and schedule shall not be reproduced except in full



ABN 94 084 639 032

Certificate issued by:

TestSafe Australia

919 Londonderry Road, Londonderry NSW 2753

Australia

Phone: +61 2 4724 4900 Fax: +61 2 4724 4999

<http://www.testsafe.com.au>



www.jas-anz.com.au/register

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*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87:2004**.*

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

AS/NZS 60079.0:2005	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements (including Amendment 1)
AS/NZS 60079.11:2006	Explosive atmospheres – Part 11: Equipment protection by Intrinsic safety ‘i’
AS 60529:2004	Degree of protection provided by enclosures (IP code)

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

ASSESSMENT & TEST REPORTS:

The equipment listed has successfully met the assessment and test requirements as recorded in:

Test Report No. and Issuing Body:	29536, TestSafe
Quality Assessment Report No. and Issuing Body:	07.021, TestSafe Based on Sira Audit Report No. 55A/16685
File Reference:	2007/021463



Signed for and on behalf of issuing body

Quality & Certification Manager

Position

13/11/2007

Date of Issue

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This certificate is not transferable and remains the property of the issuing body and must be returned in the event of it being revoked or not renewed.

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Schedule

EQUIPMENT:

The STX 3261 Methane Sensor is designed to measure methane gas concentration by means of a catalytic pellistor type sensing head and to electronically convert the measured methane concentration into an output signal that can be configured either as 0V to 2.0V output signal or as a 4 to 20mA output signal.

The apparatus comprises of an Output PCB, a controller PCB and an optional LCD, all located in a plastic enclosure with an ingress protection rating of at least IP54. A window in the enclosure permits viewing of the LCD.

The catalytic sensor is housed in a separate metallic enclosure that is externally attached to the main plastic enclosure.

Electrical connections are made to screw type terminals mounted on the Output PCB.

The model STX3261.01.11 indicates the 0.4-2V option, while STX3261.01.12 indicates the 4-20 mA option.



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CONDITIONS OF CERTIFICATION:

The following parameters shall be complied when installing the equipment:

Terminals T1, T2 (Models 4-20mA and 0.4-2.0V)	
Ui	+14.4 V
Ii	3.14 A

Terminals T4, T3 (Model 4-20mA)	
Ui	+14.4 V
Ci	0
Li	0
Uo	14.4 V
Io	276 mA
Po	1 W
Co	8.9 μ F
Lo	4.59 mH

Terminals T4, T3 (Model 0.4-2.0V)	
Ui	+14.4 V
Ci	0
Li	0
Uo	14.4 V
Io	24.3 mA
Po	0.088 W
Co	8.9 μ F
Lo	0.59 H

DOCUMENTS:

Document No.	Sheets	Document Title	Issue	Date
P5486-17	1	Sub Assembly of Potted Fuse	A	2007/09/27
P5555.04	1	PCB, Control & Display	A	2007/01/17
P5555.05	2	Certified Circuit Diagram Control & Display PCB (and Parts Lists)	A	2007/03/08
P5555.28	3	Certified Circuit Diagram Output PCB Sheet (and Parts Lists)	A1	2007/10/09
P5555.29	1	PCB, Output	A	2007/09/27
P5555.30	1	General Arrangement (Australia)	A	2007/09/27
P5555-31	1	Certification Labelling AUS	A	2007/05/24
CMC216-01	14	LCD Module Specification	-	-
LM071-0	16	Specification of 16x2 LCD Module Product No.: LM_83_071_E	RO	1996/04/15
Cert-atex-comp- cat12-p	2	Certificate Number Baseefa02ATEX0071U (used as data sheet for 259 Series Fuse)	1	2003/03/13