

Australian/New Zealand
Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: ANZEx 06.3056

Issue Number: 0

Date of Issue: 15/12/2006

Certificate Holder: ABB Automation Products GmbH
Schillerstrasse 72
D-32425 Minden GERMANY

Electrical Apparatus: 2600T Pressure Transmitter
Models 265../267../269..
Communication protocols: Hart, Profibus, Fieldbus Foundation, Modbus

Type of Protection: Zone 1: Ex d
Zone A21: Ex tD

Marking Code: Zone 1: Ex d IIC T6 ($T_{amb} +75\text{ }^{\circ}\text{C}$) IP66/IP67
Zone A21: Ex tD A21 T85 ($T_{amb} +75\text{ }^{\circ}\text{C}$) IP66/IP67

Manufacturing Location(s): ABB Automation Products GmbH
Schillerstrasse 72
D-32425 Minden GERMANY

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

 <p>Test Safe AUSTRALIA</p> <p>ABN 94 084 639 032</p>	<p>Certificate issued by:</p> <p>TestSafe Australia 919 Londonderry Road, Londonderry NSW 2753 Australia</p> <p>Phone: +61 2 4724 4900 Fax: +61 2 4724 4999</p> <p>http://www.testsafe.com.au</p>	 <p>JAS-ANZ</p> <p>Accreditation by the Joint Accreditation System of Australia and New Zealand</p> <p>Acc No. Z2221100AS</p>
--	--	--

Australian/New Zealand
Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: ANZEx 06.3056

Issue Number: 0

Date of Issue: 15/12/2006

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:

IEC 60079-0:2004 AS/NZS 60079.0:2005	Electrical apparatus for explosive gas atmospheres Part 0: General requirements
IEC 60079-1:2003 AS/NZS 60079.1:2005	Electrical apparatus for explosive gas atmospheres Part 1: Flameproof enclosure 'd'
IEC 61241-0:2004 (AS/NZS 61241.0:2005)	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1:2004 (AS/NZS 61241.1:2005)	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures 'tD'
IEC 60529:2001 (AS 60529:2004)	Degrees 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: TestSafe 26678 in TestSafe 2004/001677
Quality Assessment Report No. and Issuing Body: IECEX QAR TUN 04.0005

File Reference: 2006/030419



Signed for and on behalf of issuing body

Quality & Certification Manager

Position

15/12/2006

Date of Issue

This certificate and schedule shall not be reproduced except in full

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.

Australian/New Zealand
Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: ANZEx 06.3056

Issue Number: 0

Date of Issue: 15/12/2006

Schedule

EQUIPMENT: The Pressure Transmitter 2600T series is used for measuring and converting physical values like pressure and differential pressure into an analogous electrical standard signal of a 4-20 mA current loop and digital communications according to HART, Profibus, Modbus or Fieldbus protocols. It may contain an optional LCD display within the enclosure, or an output meter connected to the field terminal block. This latter option is not within the scope of this certificate. An optional multivariable board allows measurement of temperature using an externally connected temperature sensor.

The transmitter has a main enclosure provided with two end caps. Three different shapes are available for the main enclosure – EU-p, EU-dp, US. They are available in aluminium alloy or stainless steel materials. The main enclosure contains a terminal board located in the connection area, with a blind end cap. The main enclosure also contains a main board and optional display board in the electronic area, with a blind or windowed cap

The transducer assembly is screwed to the main enclosure. This assembly contains a characterisation board connected to but isolated from the capacitive or piezo-electric pressure sensing element by cemented joint or feed-throughs. The sensing element itself is connected to the process pipes during the installation.

The transducer varies in shape. The pictures titled ‘EU-p’ shows an absolute pressure transducer, ‘EU-dp’ shows a gauge pressure transducer, and ‘US’ shows a differential pressure transducer.

The transducers have the following pressure sensors with associated characterisation boards:

- p-piezo
- dp-cap
- dp-piezo
- hp-piezo

The complete range of transmitters and the associated identification code is provided in the schedule of this certificate.

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3056**

Issue Number: 0

Date of Issue: **15/12/2006**

Schedule of equipment covered in this certificate:

Code: 265..Absolute Pressure, Gauge Pressure

26abcdxxxx(x)(x)(x)(x)isx +options + remote seal (see drawing V15753X37)

a	Performance figure: 5	
b	measure type and construction: A, G	A = Absolute Pressure G = Gauge (Relative) Pressure
c	application: C, R, S, J, G, M, N	
d	upper range limit: L, R, U, V, D	
s	electronic housing: A, B, S, T, J, 1	A = US Aluminium ½” NPT Cable Entry B = US Aluminium M20x1.5 Cable Entry S = US Stainless Steel ½” NPT Cable Entry T = US Stainless Steel M20x1.5 Cable Entry J = EU Aluminium M20x1.5 Cable Entry 1 = EU Aluminium ½” NPT Cable Entry
options	according to document MLC0001 (2600T options)	
remote seal	according to document CLC0040	

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3056**

Issue Number: 0

Date of Issue: **15/12/2006**

Schedule of equipment covered in this certificate continued:

Code: 265..Differential, Differential absolute, Differential and Pressure

26abcdxxxx(x)(x)(x)(x)sx +options + remote seal (see drawing V15753X37)

a	Performance figure: 5	
b	measure type and construction: D, V	D = Standard Differential Pressure V = Absolute Pressure
c	application: C, R, S, J, G, M, N	
d	upper range limit: L, R, U, V	
s	electronic housing: A, B, S, T, J, 1	A = US Aluminium ½" NPT Cable Entry B = US Aluminium M20x1.5 Cable Entry S = US Stainless Steel ½" NPT Cable Entry T = US Stainless Steel M20x1.5 Cable Entry J = EU Aluminium M20x1.5 Cable Entry 1 = EU Aluminium ½" NPT Cable Entry
options	according to document MLC0001 (2600T options)	
remote seal	according to document CLC0040	

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3056**

Issue Number: 0

Date of Issue: **15/12/2006**

Schedule of equipment covered in this certificate continued:

Code: 267.. / 269.. with Multivariable

26abcxxxx(x)(x)(x)(x)sx +options + remote seal (see drawing V15753X37)

a	Performance figure: 7, 9	7 = Low Accuracy 9 = High Accuracy
b	measure type and construction: C, J	C = Differential Pressure + Multivariable J = Differential Pressure + Multivariable without Flow evaluation
c	application: C, R, S	
s	electronic housing: A, B, S, T, J, 1	A = US Aluminium ½" NPT Cable Entry B = US Aluminium M20x1.5 Cable Entry S = US Stainless Steel ½" NPT Cable Entry T = US Stainless Steel M20x1.5 Cable Entry J = EU Aluminium M20x1.5 Cable Entry 1 = EU Aluminium ½" NPT Cable Entry
options	according to document MLC0001 (2600T options)	
remote seal	according to document CLC0040	

Conditions of Certification:

There are no specific conditions to the use of this certificate.

**Australian/New Zealand
Certification Scheme for**

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3056**

Issue Number: 0

Date of Issue: **15/12/2006**

DOCUMENTS:

Document Number	Document Title	Revision	Date
V15712 X214 (4)	ANZEx Label Ex d	1	11/12/2006
V15712 X215	Instruction Manual 2600T Pressure Transmitter Models 267../267../269.. Addendum For "Ex Safety" Aspects and "IP" Protection (Australia)	1	11/12/2006
V15753 X34 3 pages	Measuring Transmitter MV	2	06/12/2005
V15753 X37 2 pages	Transmitter Coding XP	3	12/12/2006
2-9157 X7 (2)	Pressure Transducer	2	11/08/2005
2-9158 X5 (2)	Differential Pressure Transducer range <=10 mbar; <=PN6 bar	1	13/11/2003
2-9158 X6 (3)	Differential Pressure Transducer	1	13/11/2003
2-9159 X5 (2)	Differential Pressure Transducer range >=10 mbar; <=20 bar; <=PN410 bar	1	13/11/2003
2-9160 X7 (2)	Differential Pressure Transducer range >=100bar; <=PN410bar	1	13/11/2003
685233 (4) B	Inspection Window, Coated	4	23/11/2001
MLC0001 13 pages	Minden Lenno General Code	0	04/07/2002
IM 267C/269C 31 pages	Operating instructions 2600T Series Pressure Transmitters Model 267C Model 269C	A	06/2003