



Certificate of Compliance

Certificate: 1135292

Master Contract: 203012

Project: 1968451

Date Issued: 2007/10/24

Issued to: ABB Automation Products GmbH

72 Schillerstrasse
Minden, 32425
Germany
Attention: Wolfgang Scholtz

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: Ron Wildish

Authorized by: Peter Schimmoeller, Manager
of Certification Services

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Enclosure Type 4X:

- Model MV 2010TA, Absolute Pressure Transmitter, P/N V15713xxxxxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model MV 2010TD, Differential Pressure Transmitter, P/N V15712xxxxxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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- Model MV 2020TA, Absolute Pressure Transmitter, P/N V15754xMxxxx5AD and P/N V15754xOxxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model MV 2020TG, Gage Pressure Transmitter, P/N V15753xDxxxx5AG and P/N V15753xFxxxx5AG; input supply 42 Vdc max, 4-20mA; MWP up to 450 psi (30 bar); Max. Ambient 75 Deg. C.

- Model MV 2020TG, Gage Pressure Transmitter, P/N V15753xGxxxx5AD and P/N V15753xHxxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model MV 2010TC, Multivariable Pressure Transmitter, P/N V15714xxxxxxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Absolute Pressure Transmitter, P/N 26xAxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xBxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Multivariable Pressure Transmitter, P/N 26xCxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xDxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xJxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Gage Pressure Transmitter, P/N 26xGxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential/Absolute Pressure Transmitter, P/N 26xVxxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

Notes:

1. The "x" 's in the Part Number (P/N) denote variations in electrical and mechanical construction.
2. The "4-20 mA" rating applies to HART versions. For FF, Profibus and Modbus versions, communication is Digital.

Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Enclosure Type 4X:

- Model MV 2020TG, Gage Pressure Transmitter, P/N V15753xDxxxx5AD and P/N V15753xFxxx5AD; input supply 42 Vdc max, 4-20mA; MWP up to 450 psi (30 bar); Max. Ambient 75 Deg. C.



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- Model 2600 Series, Gage Pressure Transmitter, P/N 26xGxDxxxxxxxxxxxxxxxx, 26xGxLxxxxxxxxxxxxxxxx and 26xGxUxxxxxxxxxxxxxxxx; input supply 42 Vdc max, 4-20mA; MWP up to 450 psi (30 bar); Max. Ambient 75 Deg. C.

Notes:

1. The "x" 's in the Part Number (P/N) denote variations in electrical and mechanical construction.
2. The "4-20 mA" rating applies to HART versions. For FF, Profibus and Modbus versions, communication is Digital.

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CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations – Certified to US Standards

Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Enclosure Type 4X

Class I, Div. 2, Groups A, B, C and D:

- Model 2600 Series, Absolute Pressure Transmitter, P/N 26xAxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xBxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Multivariable Pressure Transmitter, P/N 26xCxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xDxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential Pressure Transmitter, P/N 26xJxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Gage Pressure Transmitter, P/N 26xGxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 9000 psi (600 bar); Max. Ambient 75 Deg. C.

- Model 2600 Series, Differential/Absolute Pressure Transmitter, P/N 26xVxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 6000 psi (410 bar); Max. Ambient 75 Deg. C.

Notes:

1. The "x" 's in the Part Number (P/N) denote variations in electrical and mechanical construction.
2. The "4-20 mA" rating applies to HART versions. For FF, Profibus and Modbus versions, communication is Digital.
3. For FF and Profibus, input supply 32 Vdc max. For Modbus, input supply 30 Vdc max.



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Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Enclosure Type 4X:

Class I, Div. 2, Groups A, B, C and D:

- Model 2600 Series, Gage Pressure Transmitter, P/N 26xGxDxxxxxxxxxxxxxxxx, 26xGxLxxxxxxxxxxxxxxxx w/suffix EM and 26xGxUxxxxxxxxxxxxxxxx w/suffix EM; input supply 42 Vdc max, 4-20mA; MWP up to 450 psi (30 bar); Max. Ambient 75 Deg. C.

Notes:

1. The "x" 's in the Part Number (P/N) denote variations in electrical and mechanical construction.
2. The "4-20 mA" rating applies to HART versions. For FF, Profibus and Modbus versions, communication is Digital.
3. For FF and Profibus, input supply 32 Vdc max. For Modbus, input supply 30 Vdc max.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II

C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

C22.2 No. 142-M1987 - Process Control Equipment

C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

FM 3600 - 1989 - Electrical Equipment for use in Hazardous (Classified) Locations – General Requirements

FM 3810 - 1989 - Electrical and Electronic Test, Measuring, and Process Control Equipment

FM 3611 - 2004 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2, and Class II, Divisions 1 and 2, Hazardous (Classified) Locations

FM 3615 - 2006 - Explosionproof Electrical Equipment – General Requirements

ANSI/NEMA 250 - 1991 - Enclosures for Electrical Equipment



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1968451	2007/10/24	Update to cover minor changes to pressure transmitter circuitry & probes.
1840897	2006/10/12	Update to cover an alternative process connection design, and minor change to the Connection Board. Change in model code from 2600T to 2600 Series.
1637924	2005/02/24	Update to include Division 2 and C US for 2600T Series

History

1414468 March 3, 2003 Update to cover alternative Modbus Connection Board, additional model coding and modifications to report text.

1135292 June 24, 2002 Original Certification - Models MV 2020TA, MV 2020TC, MV 2010TD and MV 2020TG Pressure Transmitters; and Model 2600T Series Pressure Transmitters.