



Certificate of Compliance

Certificate: 1143113 (033332_0_000)

Master Contract: 155387

Project: 70148145

Date Issued: 2017-08-04

Issued to: Rosemount Inc.
6021 Innovation Blvd.
Shakopee, Minnesota 55379-9795
USA
Attention: Glen Edwards

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Sorin Tat
Sorin Tat

PRODUCTS

CLASS - C225206 - PROCESS CONTROL EQUIPMENT

CLASS - C225286 - PROCESS CONTROL EQUIPMENT-Certified to US Standards

Part A

Pressure Transmitters Model 3051S with Model 300S Housing rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, Rng 2-4 with High Static Pressure Specials: MWP 10,000psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68.

Part B

Integral Orifice flowmeter model 3051SFP, rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFP Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68.

Part C

Wireless Pressure Transmitter Models 3051S (with Model 300S Housing) and 3051SMV (with Model 300SMV Housing) and Wireless Temperature Transmitter Model 648 and Wireless Discrete Transmitter Model



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702(Configuration 22, 32, 61); with or without integral LCD meter; 3051S_C and 3051SMV Coplanar Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051S_T and 3051SMV Inline Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/67.

Part D

Multivariable Pressure Transmitters Model 3051SMV with Model 300SMV Housing, rated 45V dc max, with 4-20mA (HART) or 30mA (Fieldbus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SMV Coplanar Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051SMV Inline Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68.

Part E

Pressure Transmitters with Electronic Remote Seals (ERS) Models 3051SAM and 3051SAL, consisting of two 3051S transmitters, rated 42.4V dc max, 4-20 mA (HART), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68.

Part F

Compact Orifice flowmeter model 3051SFC, rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68.

Part G

Annubar flowmeter model 3051SFA, rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68.

Part H

High Static Line Pressure Transmitters Model 3051SHP, rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; MWP 15000 psi. Type 4X, IP66/68.



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CLASS 2258-02 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations
CLASS 2258-82 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations – Certified to US Standards

Canada: Class I, Division 1, Groups B, C and D, T5, Ta = -50°C to 85°C; Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F, and G; Class III;

USA: Class I, Division 1, Groups B, C and D, T5, Ta = -50°C to 85°C; Class I, Division 2, Groups A, B, C and D, T5, Ta = 70°C; Class II, Division 1, Groups E, F, and G, T5, Ta = -50°C to 85°C; Class III;

Part A

Pressure Transmitters Model 3051S with Model 300S Housing rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, Rng 2-4 with High Static Pressure Specials: MWP 10,000psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68. Seal Not Required when installed per Rosemount Drawing 03151-1013. Dual Seal.

Part B

Integral Orifice flowmeter model 3051SFP rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFP Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68. Seal Not Required, when installed per Rosemount Drawing 03151-1013. Dual Seal.

Part D

Multivariable Pressure Transmitters Model 3051SMV with Model 300SMV Housing rated 45V dc max, with 4-20mA (HART) or 30mA (Fieldbus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SMV Coplanar Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051SMV Inline Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68. Seal Not Required, when installed per Rosemount Drawing 03151-1203. Dual Seal.

Part E

Pressure Transmitters with Electronic Remote Seals (ERS) Models 3051SAM and 3051SAL rated 42.4V dc max, 4-20 mA (HART), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68. Seal Not Required, when installed per Rosemount Drawing 03151-1013. Dual Seal.

Part F

Compact Orifice flowmeter model 3051SFC rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68. Seal Not Required, when installed per Rosemount Drawing 03151-1013. Dual Seal.

Part G

Annubar flowmeter model 3051SFA rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP



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2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68. Seal Not Required, when installed per Rosemount Drawing 03151-1013. Dual Seal.

Part H

High Static Line Pressure Transmitters Model 3051SHP rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; MWP 15000 psi. Type 4X, IP66/68. Seal Not Required, Dual Seal.

Note - All the above referenced transmitters may include the use of marking Cl. I, Zone 1, IIB + Hydrogen, T5 and Cl. I, Zone 2, IIC, T5.

Canada: Class I, Division 2, Groups A, B, C and D;

USA: Class I, Division 2, Groups A, B, C and D, T5, Ta = 70°C; Class II, Division 1, Groups E, F, G, T5, Ta = -50°C to 85°C; Class III;

Part C

Wireless Pressure Transmitter Model 702 (Configuration 22, 32, 42); with or without integral LCD meter, used with battery pack p/n 753-9220-XXXX, temperature code T3C, Ingress Protection rating IP66/67.

Note - The above referenced transmitters may include the use of marking Cl. I, Zone 2, IIC, T5 T3C.

CLASS 2258-04 – PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

CLASS 2258-84 – PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations – Certified to US Standards

Canada: IS Class I, Division 1, Groups A, B, C and D, T3C; FISCO (Ta = 70°C);

USA: IS Class I/II/III, Division 1, Groups A, B, C, D, E, F, and G, T4; Class I, Zone 0 AEx ia IIC T4; FISCO; Ta = -50°C to 70°C for HART, -50°C to 60°C for Fieldbus/Profibus;

Part A

Pressure Transmitters Model 3051S with Model 300S Housing rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, Rng 2-4 with High Static Pressure Specials: MWP 10,000psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68. Intrinsically safe when installed per Rosemount Drawing 03151-1016. Dual Seal.

Part B

Integral Orifice flowmeter model 3051SFP rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFP Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68. Intrinsically safe when installed per Rosemount Drawing 03151-1016 (3051S), or 03151-1207 (3051SMV). Dual Seal.

Part C



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Wireless Pressure Transmitter Model 3051S and 3051SMV and Wireless Temperature Transmitter Model 648 and Discrete Transmitter Model 702(Configuration 22,32,61) as described in Class 2252,, intrinsically safe when battery pack p/n 753-9220-XXXX is used and as per installation drawing 03151-1010 (for model 3051S and 3051SMV), drawing 00648-1020 (for model 648) and drawing 00702-1020 (for model 702),. Dual Seal (for model 3051S and 3051SMV).

Part D

Pressure Transmitters Model 3051SMV with Model 300SMV Housing rated 45V dc max, with 4-20mA (HART) or 30mA (Fieldbus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SMV Coplanar Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051SMV Inline Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68, intrinsically safe when installed per Rosemount Drawing 03151-1207, maximum operating ambient of 70°C (HART) and 60°C (Fieldbus/FISCO). Dual Seal.

Part E

Pressure Transmitters with Electronic Remote Seals (ERS) Models 3051SAM and 3051SAL rated 42.4V dc max, 4-20 mA (HART), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051S_C Rng 0: MWP 750 psig, Rng 1-3: MWP 3626 psig, Rng 4-5: MWP 4500 psig, 3051S_T Rng 1-4: MWP 4000 psig, Rng 5: MWP 10,000 psig. Type 4X, IP66/68, intrinsically safe when installed per Rosemount installation drawing 03151-1316. Dual Seal.

Part F

Compact Orifice flowmeter model 3051SFC rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68., intrinsically safe when installed per Rosemount Drawing 03151-1016 (3051S), or 03151-1207 (3051SMV). Dual Seal.

Part G

Annubar flowmeter model 3051SFA as rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; 3051SFC Rng 1A: MWP 2000 psia, Rng 2A-3A: MWP 3626 psia. Type 4X, IP66/68, intrinsically safe when installed per Rosemount Drawing 03151-1016 (3051S), or 03151-1207 (3051SMV). Dual Seal.

Part H

High Static Line Pressure Transmitters Model 3051SHP rated 45V dc max, 4-20mA (HART) or 30mA (Fieldbus/Profibus), with or without integral LCD meter, -50°C to 85°C, 5000m max, 99%RH, Pollution Degree 4; MWP 15000 psi. Type 4X, IP66/68, intrinsically safe when installed per Rosemount Drawing 03251-1006. Dual Seal.

Note: All of the above transmitters may include the use of marking Cl. I Zone 0, IIC, T3C.

Notes:

1. The above model is a fixed installation, Internally Powered, Pollution Degree 4
2. Mode of Operation: Continuous



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3. Environmental Conditions: Extended: -40°C to $+70^{\circ}\text{C}$ (Part C Only) and -40°C to $+85^{\circ}\text{C}$ (All other Parts), 5000 m Max, Extended Relative Humidity of 0-99%.



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APPLICABLE REQUIREMENTS

CSA Standards:

- | | |
|-------------------------------|---|
| CSA C22.2 No. 25-1966 | - Enclosures for Use in Class II Groups E, F, and G Hazardous Locations |
| CSA C22.2 No. 30-M1986 | - Explosion-Proof Enclosures for Use in Class I Hazardous Locations |
| CSA C22.2 No. 94.2-07 | - Enclosures for Electrical Equipment, Environmental Considerations |
| CSA C22.2 No. 213-M1987 | - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| CAN/CSA-60079-0-11 | - Electrical apparatus for explosive gas atmospheres; Part 0: General requirements |
| CAN/CSA C22.2 No. 60079-11:14 | - Explosive Atmospheres — Part 11: Equipment Protection by Intrinsic Safety “i” |
| CAN/CSA-C22.2 No. 60529:16 | - Degrees of protection provided by enclosures (IP Code) |
| CAN/CSA-C22.2 No. 61010-1-12 | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |

UL Standards:

- | | |
|--------------------------------------|--|
| UL 50E (1 st Edition) | - Enclosures for Electrical Equipment, Environmental Considerations |
| UL 1203 (5 th Edition) | - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations |
| UL 61010-1 (3 rd Edition) | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements |

FM Standards:

- | | |
|---------------------|---|
| FM Class 3600: 2011 | - Electrical Equipment for Use in Hazardous (Classified) Locations - General Requirements |
| FM Class 3610: 2010 | - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II & III, Division 1, Hazardous (Classified) Locations |
| FM Class 3611: 2004 | - Nonincendive Electrical Equipment for Use In Class I and II, Div. 2 & Class III, Divisions 1 & 2 Hazardous (Classified) Locations |
| FM Class 3615: 2006 | - Explosion-proof Electrical Equipment, General Requirements |
| FM Class 3810: 2005 | - Electrical and Electronic Test, Measuring and Process Control Equipment |

Other Standards:

- | | |
|------------------------------------|---|
| ANSI/ISA 12.27.01-2011 | - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids |
| ANSI/ISA-60079-0 (12.00.01) – 2013 | - Electrical apparatus for explosive gas atmospheres; Part 0: General requirements |



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- ANSI/ISA 60079-11 (12.02.01): 2014 - Explosive Atmospheres — Part 11: Equipment Protection by Intrinsic Safety “i”
- ANSI/IEC60529-2004 - Degrees of protection provided by enclosures (IP Code)



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
70148145	2017-08-04	Update to report 1143113 to include a revised I2C LCD .
70135103	2017-06-09	Update to CSA report 1143113 to cover addition of alternate feature board for Fieldbus communications and updating drawings to the latest revision.
70095322	2016-10-06	Update to CSA Report 1143113 to update 21 drawings within the drawings tables.
70038077	2015-09-25	Update to Report 1143113 to include Model 3051SHP Pressure Transmitter, rated C1 Div1 Grps ABCD T4 FISCO Type 4X and C1/2/3 Div1 Grps ABCDEFG T4 FISCO, C1 Div 2 Grps ABCD, C1 Zone 0 AEx ia IIC, C2/3 Div1 Grps EFG Type 4X, and add US Class Numbers to the Report.
70029759	2015-05-20	Possible Update to CSA Report 1143113 to include the addition of 10ksi MWP option for the Model 3051S and updates drawings under the Descriptive Documents List. Testing conducted by Rosemount under CSA Category program. Price assumes that no testing is deemed necessary.
70015141	2014-12-24	Update to report 1143113 to cover new component being used on flex circuits and additon of Fieldbus option to explosion proof pressure transmitter model 3051SMV.
2703660	2014-06-19	Update certificate 1143113 to add Foundation field bus and FISCO protocols to transmitter 3051SMV
2648307	2013-09-18	Update to report 1143113 to include increased length of cabling and to include the use of dual markings on label to include zones.
2601656	2013-06-18	Update to report to cover certification of compact orifice flowmeter model 3051SFC, certification of annubar flowmeter model 3051SFA and to update drawings.
2522746	2012-05-25	Update to report 1143113 to include operating voltage change from 42.4V to 45V (Part D, Div. 2 only), update report to -50C from -40C and update reports descriptive document list to latest revisions.
2519396	2012-04-30	(CLE112TOR) Evaluation for update of report 1143113 to include revised drawings. With no change to Product Listing / Cert Record. Per paperwork review, based on 44 revised drawings and 10 obsolete drawings.
2414725	2011-12-29	Alternate construction of Model 702 to cover use new feature boards and terminal boards (including Dual input, leak detection and evaluation for use



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		in Div. 2)
2432052	2011-08-12	Update to report 1143113 to add the 3051S remote antenna adaptor and evaluation of lower flex pc board.
2413393	2011-05-06	to Report 1143133 to include electrical parameter change.
2392050	2011-02-04	Update to report 1143113 to include revised drawings.
2329095	2010-08-05	Update of report 1143113 to cover I.S. evaluation of Electronic Remote Seal (ERS) System models 3051SAM and 3051SAL.
2281331	2010-03-09	Update of report 1143113 to include revised drawings, minor alterate construction and IP66/67 evaluation for wireless transmitter.
2238836	2009-11-24	Update of report 1143113 to include Phase 2: HART Diagnostic Feature Board.
2210918	2009-11-16	Update report 1143113 to include new models 3051SAM and 3051SAL, Electronic Remote Seal (ERS) System as per Rosemount category test report C1466-06.
2186058	2009-07-15	Update of report 1143113 for 3051S to include revised drawings.
2159442	2009-04-14	Update report 1143113 to include Dual Seal for the Model Series 3051SMV Pressure Transmitter.
2094811	2008-12-24	Update to report 1143113 to include new layout of Fieldbus feature board and other minor alterate construction.
1944503	2008-04-29	Update report 1143113 to include Dual Seal testing performed at the Rosemount facility and witnessed by CSA International Staff.
1974490	2008-03-24	Certification of transmitter model 3051S MV and update to report
1949808	2007-10-04	Certification of 702 wireless transmitter and minor drawing updates
1912156	2007-07-23	Alternate construction of 3051S Wireless Pressure Transmitter (WPT) and 648 Wireless Temperature Transmitter (WTT) to include 24Ghz EMC complaint pcb
1893946	2007-03-21	Report correction to include instrinsically safe installation drawing 00648-1020.
1851875	2007-01-19	Certification of 3051S Wireless Pressure Transmitter (WPT) and 648 Wireless Temperature Transmitter (WTT).
1789452	2006-06-07	Alternate construction of 3051S Flowmeter to include Diagnostitc Feature.
1749629	2006-01-20	Update Report to cover addition of adapter board, interconnect board and EME/RFI feed thur.
1724813	2005-11-15	Update to report to cover miscellaneous changes (e.g. Addition of KD and quick connect option)
1558777	2004-12-20	Addition of Model 3051SFP
1506720	2004-04-27	Alternate Construction to Include New and Revised Electronics, a New



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Version of Model 3051S(Core Tier) and Other Changes