

Ordering Information

TABLE 10. 3051C Differential, Gage, and Absolute Pressure Transmitters — = Not Applicable • = Applicable

Model	Transmitter Type (Select One)	CD	CG	CA		
3051CD	Differential Pressure Transmitter	•	—	—		
3051CG	Gage Pressure Transmitter	—	•	—		
3051CA	Absolute Pressure Transmitter	—	—	•		
Rosemount 3051CD		Rosemount 3051CG		Rosemount 3051CA		
0 ⁽¹⁾	–3 to 3 inH ₂ O/0.1 inH ₂ O (–7,5 to 7,5 mbar/0,25 mbar)	Not Applicable		0 to 5 psia/0.167 psia (0 to 0,34 bar/11,5 mbar)		
1	–25 to 25 inH ₂ O/0.5 inH ₂ O (–62,2 to 62,2 mbar/1,2 mbar)	–25 to 25 inH ₂ O/0.5 inH ₂ O (–62,2 to 62,2 mbar/1,2 mbar)		0 to 30 psia/0.3 psia (0 to 2,1 bar/20,7 mbar)		
2	–250 to 250 inH ₂ O/2.5 inH ₂ O (–623 to 623 mbar/6,2 mbar)	–250 to 250 inH ₂ O/2.5 inH ₂ O (–623 to 623 mbar/6,2 mbar)		0 to 150 psia/1.5 psia (0 to 10,3 bar/0,1 bar)		
3	–1000 to 1000 inH ₂ O/10 inH ₂ O (–2,5 to 2,5 bar/25 mbar)	–407 to 1000 inH ₂ O/10 in H ₂ O (–1,01 to 2,5 bar/25 mbar)		0 to 800 psia/8 psia (0 to 55,2 bar/0,55 bar)		
4	–300 to 300 psi/3 psi (–20,7 to 20,7 bar/0,2 bar)	–14.7 to 300 psi/3 psi (–1,01 to 20,7 bar/0,2 bar)		0 to 4000 psia/40 psia (0 to 275,8 bar/2,8 bar)		
5	–2000 to 2000 psi/20 psi (–137,9 to 137,9 bar/1,4 bar)	–14.7 to 2000 psig/20 psi (–1,01 to 137,9 bar/1,4 bar)		Not Applicable		
NOTE: 3051CG lower range limit varies with atmospheric pressure.						
Code	Output	CD	CG	CA		
A	4–20 mA with Digital Signal Based on HART Protocol	•	•	•		
M	Low-Power, 1–5 V dc with Digital Signal Based on HART Protocol (See Option C2 for 0.8–3.2 V dc) NOTE: Not available with hazardous locations certification Options Codes I1, N1, E4, K6 and K8.	•	•	•		
F	FOUNDATION fieldbus	•	•	•		
W	Profibus — PA	•	•	•		
Materials of Construction						
Code	Process Flange Type	Flange Material	Drain/Vent	CD	CG	CA
2	Coplanar	SST	SST	•	•	•
3 ⁽²⁾	Coplanar	Hastelloy C	Hastelloy C	•	•	•
4	Coplanar	Monel	Monel	•	•	•
5	Coplanar	Plated CS	SST	•	•	•
7 ⁽²⁾	Coplanar	SST	Hastelloy C	•	•	•
8 ⁽²⁾	Coplanar	Plated CS	Hastelloy C	•	•	•
0	Alternate Flange—See Options on page 25			•	•	•
Code	Isolating Diaphragm	CD	CG	CA		
2 ⁽²⁾	316L SST	•	•	•		
3 ⁽²⁾	Hastelloy C-276	•	•	•		
4	Monel	•	•	•		
5	Tantalum (Available on 3051CD and CG, Ranges 2–5 only. Not available on 3051CA)	•	•	—		
6	Gold-plated Monel (Use in combination with O-ring Option Code B.)	•	•	•		
7	Gold-plated SST	•	•	•		
Code	O-ring	CD	CG	CA		
A	Glass-filled TFE	•	•	•		
B	Graphite-filled TFE	•	•	•		
Code	Fill Fluid	CD	CG	CA		
1	Silicone	•	•	•		
2	Inert fill (Halocarbon)	•	•	—		

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TABLE 10. 3051C Differential, Gage, and Absolute Pressure Transmitters — = Not Applicable • = Applicable

Code	Housing Material	Conduit Entry Size	CD	CG	CA
A	Polyurethane-covered Aluminum	½–14 NPT	•	•	•
B	Polyurethane-covered Aluminum	M20 × 1.5 (CM20)	•	•	•
C	Polyurethane-covered Aluminum	PG 13.5	•	•	•
D	Polyurethane-covered Aluminum	G½	•	•	•
J	SST	½–14 NPT	•	•	•
K	SST	M20 × 1.5 (CM20)	•	•	•
L	SST	PG 13.5	•	•	•
M	SST	G½	•	•	•
Code	PlantWeb Functionality				
A01	Regulatory control suite: PID, arith, signal char, integ, etc.; requires FOUNDATION fieldbus				
D01	Diagnostics suite, Plugged Impulse Line and SPM diagnostics; requires FOUNDATION fieldbus				
Code	Alternate Flange Options (Requires Materials of Construction Code 0)				
H2	Traditional Flange, 316 SST, SST Drain/Vent				
H3 ⁽²⁾	Traditional Flange, <i>Hastelloy C</i> , <i>Hastelloy C</i> Drain/Vent				
H4	Traditional Flange, <i>Monel</i> , <i>Monel</i> Drain/Vent				
H7 ⁽²⁾	Traditional Flange, 316 SST, <i>Hastelloy C</i> Drain/Vent				
HJ	DIN Compliant Traditional Flange, SST, 7/16 in. Adapter/Manifold Bolting				
HK	DIN Compliant Traditional Flange, SST, 10 mm Adapter/Manifold Bolting				
HL	DIN Compliant Traditional Flange, SST, 12mm Adapter/Manifold Bolting (not available on 3051CD0)				
FA	Level Flange, SST, 2 in., ANSI Class 150, Vertical Mount				
FB	Level Flange, SST, 2 in., ANSI Class 300, Vertical Mount				
FC	Level Flange, SST, 3 in., ANSI Class 150, Vertical Mount				
FD	Level Flange, SST, 3 in., ANSI Class 300, Vertical Mount				
FP	DIN Level Flange, SST, DN 50, PN 40, Vertical Mount				
FQ	DIN Level Flange, SST, DN 80, PN 40, Vertical Mount				
Code	Integral Mount Manifold Options				
S5	Assemble to Rosemount 305 Integral Manifold				
Code	Integral Mount Primary Elements (Optional)				
S4	Factory Assembly to Rosemount Primary Element (<i>Anubar</i> or Rosemount 1195 Integral Orifice) <i>NOTE: With the primary element installed, the maximum operating pressure will equal the lesser of either the transmitter or the primary element. Option is available for factory assembly to range 1–4 transmitters only.</i>				
Code	Diaphragm Seal Assemblies (Optional)				
<i>NOTE: Standard flange and adapter bolts are austenitic 316 SST.</i>					
S1	One Diaphragm Seal (Direct Mount or Capillary Connection Type)				
S2	Two Diaphragm Seals (Direct Mount or Capillary Connection Type)				
Code	Optional All Welded Diaphragm Seal Systems (for high vacuum applications)				
<i>NOTE: Standard flange and adapter bolts are austenitic 316 SST.</i>					
S7	One Diaphragm Seal, All-Welded System (Capillary Connection Type)				
S8	Two Diaphragm Seals, All-Welded System (Capillary Connection Type)				
S0	One Diaphragm Seal, All-Welded System (Direct Mount Connection Type)				
S9	Two Diaphragm Seals, All-Welded System (One Direct Mount and One Capillary Connection Type)				
Code	Mounting Bracket Options				
B4	<i>Coplanar</i> Flange Bracket for 2-in. Pipe or Panel Mounting, all SST				
B1	Traditional Flange Bracket for 2-in. Pipe Mounting, CS Bolts				
B2	Traditional Flange Bracket for Panel Mounting, CS Bolts				
B3	Traditional Flange Flat Bracket for 2-in. Pipe Mounting, CS Bolts				
B7	B1 Bracket with Series 300 SST Bolts				
B8	B2 Bracket with Series 300 SST Bolts				
B9	B3 Bracket with Series 300 SST Bolts				
BA	SST B1 Bracket with Series 300 SST Bolts				
BC	SST B3 Bracket with Series 300 SST Bolts				

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TABLE 10. 3051C Differential, Gage, and Absolute Pressure Transmitters — = Not Applicable • = Applicable

Code	Hazardous Locations Certification Options	CD	CG	CA
E5	FM Explosionproof Approval	•	•	•
I5	FM Non-incendive and Intrinsic Safety Approval	•	•	•
K5	FM Explosionproof and Intrinsic Safety Approval	•	•	•
I1	BASEEFA/CENELEC Intrinsic Safety and Dust Certification <i>NOTE: Not available with low-power Option Code M.</i>	•	•	•
N1	BASEEFA/CENELEC Type N and Dust Certification <i>NOTE: Not available with low-power Option Code M.</i>	•	•	•
E8	KEMA/CENELEC Flameproof and Dust Certification	•	•	•
E4	JIS Flameproof Certification <i>NOTE: Not available with low-power Option Code M.</i>	•	•	•
C5 ⁽³⁾	Measurement Canada Accuracy Approval <i>NOTE: Limited availability depending on transmitter type and range. Contact your Rosemount representative.</i>	•	•	•
C6	Canadian Standards Association (CSA) Explosionproof and Intrinsic Safety Approval	•	•	•
K6	Combination of CSA and CENELEC Explosionproof and Intrinsic Safety Approval <i>NOTE: Not available with low-power Option Code M.</i>	•	•	•
KB	Combination of FM and CSA Explosion proof and Intrinsic Safety Approvals	•	•	•
K7	Combination of SAA Flameproof and Intrinsic Safety Approvals	•	•	•
K8	Combination of CENELEC Flameproof and Intrinsic Safety Approvals <i>NOTE: Not available with low-power Option Code M.</i>	•	•	•
I7	SAA Intrinsic Safety Certification	•	•	•
E7	SAA Flameproof Certification	•	•	•
N7	SAA Type N Certification	•	•	•
IA	BASEEFA/CENELEC Intrinsic Safety for FISCO; for FOUNDATION fieldbus protocol only	•	•	•
Code	Bolting Options	CD	CG	CA
L4	Austenitic 316 SST Bolts	•	•	•
L5	ASME B 16.5 (ANSI)/ASTM-A-193-B7M Bolts	•	•	•
L6	Monel Bolts	•	•	•
Code	Meters (Optional)	CD	CG	CA
M5	LCD Meter for Aluminum Housing (Housing Codes A, B, C, and D only)	•	•	•
M6	LCD Meter for SST Housing (Housing Codes J, K, L, and M only)	•	•	•

TABLE 10. 3051C Differential, Gage, and Absolute Pressure Transmitters — = Not Applicable • = Applicable

Code	Other Options			
Q4	Calibration Data Sheet	•	•	•
Q8	Material Traceability Certification per EN 10204 3.1.B <i>NOTE: This option is available for the sensor module housing and Coplanar or traditional flanges and adapters (3051C), and for the sensor module housing and low-volume Coplanar flange and adapter (3051C with Option Code S1).</i>	•	•	•
QP	Calibration certification and tamper evident seal	•	•	•
QS	Quality Certification for safety	•	•	•
J1 ⁽³⁾	Local Zero Adjustment Only <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•	•
J3 ⁽³⁾	No Local Zero or Span Adjustment <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•	•
T1	Transient Protection Terminal Block <i>NOTE: Not available with hazardous locations certification Option Code I1, K6 or K8.</i>	•	•	•
C1 ⁽³⁾	Custom Software Configuration (Completed CDS 00806-0100-4001 required with order)	•	•	•
C2 ⁽³⁾	0.8–3.2 V dc Output with Digital Signal Based on HART Protocol (Output Code M only)	•	•	•
C3	Gage Calibration (3051CA4 only)	—	—	•
C4 ⁽³⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996 <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•	•
CN ⁽³⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996: Alarm Configuration—Low <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•	•
P1	Hydrostatic Testing	•	•	•
P2	Cleaning for Special Service	•	•	•
P3	Cleaning for <1 PPM Chlorine/Fluorine	•	•	•
P4	Calibrate at line pressure <i>Note: Specify Q48 on order for corresponding certificate</i>	•	•	•
DF	1/2 -14 NPT flange adapter(s)— Material determined by flange material	•	•	•
D7	Coplanar Flange Without Drain/Vent Ports	•	•	•
D8	Ceramic Ball Drain/Vents	•	•	•
D9	JIS Process Connection—RC 1/4 Flange with RC 1/2 Flange Adapter	•	•	•
P9	4500 psig Static Pressure Limit (3051CD Ranges 2–5 only)	•	—	—
V5 ⁽⁴⁾	External Ground Screw Assembly	•	•	•
Typical Model Number: 3051CD 2 A 2 2 A 1 A B4				

- (1) *NOTE: 3051CD0 is available only with Output Code A, Process Flange Code 0 (Alternate Flange H2, H7, HJ, or HK), Isolating Diaphragm Code 2, O-ring Code A, and Bolting Option L4.*
- (2) *Materials of Construction meet NACE material recommendation per MR 01-75. Environmental limits apply to certain materials. Consult latest standard for details.*
- (3) *Not available with Fieldbus (output code F) or Profibus (output code W).*
- (4) *The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.*

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TABLE 11. 3051T Gage and Absolute Pressure Transmitter

Model	Transmitter Type	
3051T	Pressure Transmitter	
Code	Pressure Type	
G	Gage	
A	Absolute	
Code	Pressure Ranges (Range/Min. Span)	
	3051TG	3051TA
1	-14.7 to 30 psi/0.3 psi (-1,01 to 2,1 bar/20,7 mbar)	0 to 30 psia/0.3 psia (0 to 2,1 bar/20,7 mbar)
2	-14.7 to 150 psi/1.5 psi (-1,01 to 10,3 bar/103,4 mbar)	0 to 150 psia/1.5 psia (0 to 10,3 bar/103,4 mbar)
3	-14.7 to 800 psi/8 psi (-1,01 to 55,2 bar/0,55 bar)	0 to 800 psia/8 psia (0 to 55,2 bar/0,55 bar)
4	-14.7 to 4000 psi/40 psi (-1,01 to 275,8 bar/2,8 bar)	0 to 4000 psia/40 psia (0 to 275,8 bar/2,8 bar)
5	-14.7 to 10000 psi/2000 psi (-1,01 to 689,5 bar/138 bar)	0 to 10000 psia/2000 psia (0 to 689,5 bar/138 bar)
<i>NOTE: 3051TG lower range limit varies with atmospheric pressure.</i>		
Code	Output	
A	4–20 mA with Digital Signal Based on <i>HART</i> Protocol	
M	Low-Power 1–5 V dc with Digital Signal Based on <i>HART</i> Protocol (See Option Code C2 for 0.8–3.2 V dc Output)	
<i>NOTE: Not available with hazardous certification Option Codes I1, N1, E4, K6 or K8.</i>		
F	FOUNDATION fieldbus	
W	Profibus — PA	
Code	Process Connection Style	
2A	¼–18 NPT Female	
2B	½–14 NPT Female	
2C	G½ A DIN 16288 Male (Available in SST for Range 1–4 only)	
2F	Coned and Threaded, Compatible with Autoclave Type F-250-C (Available in SST for Range 5 only)	
61	Non-threaded Instrument flange	
Code	Isolating Diaphragm	Process Connection Wetted Parts Material
2 ⁽¹⁾	316L SST	316L SST
3 ⁽¹⁾	Hastelloy	Hastelloy
Code	Fill Fluid	
1	Silicone	
2	Inert	
Code	Housing Material	Conduit Entry Size
A	Polyurethane-covered Aluminum	½–14 NPT
B	Polyurethane-covered Aluminum	M20 × 1.5 (CM20)
C	Polyurethane-covered Aluminum	PG 13.5
D	Polyurethane-covered Aluminum	G½
J	SST	½–14 NPT
K	SST	M20 × 1.5 (CM20)
L	SST	PG 13.5
M	SST	G½
Code	PlantWeb Functionality	
A01	Regulatory control suite: PID, arith, signal char, integ, etc.; requires FOUNDATION fieldbus	
D01	Diagnostics suite, Plugged Impulse Line and SPM diagnostics; requires FOUNDATION fieldbus	
Code	Integral Mount Manifold (Optional)	
S5	Assemble to Rosemount 306 Integral Manifold (Requires ½ in. process connection code 2B)	
Code	Remote Diaphragm Seals Assemblies (Optional)	
S1	One remote diaphragm seal (Direct Mount or Capillary Connection Type)	

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TABLE 11. 3051T Gage and Absolute Pressure Transmitter

Code Mounting Brackets (Optional)	
B4	Bracket for 2-in. Pipe or Panel Mounting, All SST
Code Hazardous Locations Certifications (Optional)	
E5	FM Explosion proof Approval
I5	FM Non-incendive and Intrinsic Safety Approval
K5	FM Explosion proof and Intrinsic Safety Approval
C5	Measurement Canada accuracy approval <i>Note: Limited availability depending on transmitter type and range. Contact your Rosemount representative.</i>
C6	CSA Explosion proof and Intrinsic Safety Approval
K6	Combination of CSA and CENELEC Explosion proof and Intrinsic Safety Approval <i>NOTE: Not available with low-power Option Code M.</i>
K8	Combination of CENELEC Flameproof and Intrinsic Safety Approvals <i>NOTE: Not available with low-power Option Code M.</i>
K7	Combination of SAA Flameproof and Intrinsic Safety Approvals
KB	Combination of FM and CSA Explosion proof and Intrinsic Safety Approvals
I7	SAA Intrinsic Safety Certification
E4	JIS Flameproof Certification <i>NOTE: Not available with low-power Option Code M.</i>
E7	SAA Flameproof Certification
N7	SAA Type N Certification
I1	BASEEFA/CENELEC Intrinsic Safety and Dust Certification <i>NOTE: Not available with low-power Option Code M.</i>
N1	BASEEFA/CENELEC Type N and Dust Certification <i>NOTE: Not available with low-power Option Code M.</i>
E8	KEMA/CENELEC Flameproof and Dust Certification
DW	NSF drinking water approval
IA	BASEEFA/CENELEC Intrinsic Safety for FISCO; for FOUNDATION fieldbus protocol only
Code Other Options	
Q4	Calibration Data Sheet
Q8	Material Traceability Certification per EN 10204 3.1.B <i>NOTE: This option applies to the process connection only.</i>
QP	Calibration certification and tamper evident seal
QS	Quality certification for safety
J1 ⁽²⁾	Local Zero Adjustment Only <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>
J3 ⁽²⁾	No Local Zero or Span Adjustment <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>
M5	LCD Meter for Aluminum Housing (Housing Codes A, B, C, and D only)
M6	LCD Meter for SST Housing (Housing Codes J, K, L and M only)
T1	Transient Protection Terminal Block <i>NOTE: Not available with hazardous locations certification Option Code I1, K6 or K8.</i>
C1 ⁽²⁾	Custom Software Configuration (Completed CDS 00806-0100-4001 required with order)
C2 ⁽²⁾	0.8–3.2 V dc Output with Digital Signal Based on HART Protocol (Output Code M only)
C4 ⁽²⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996 <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>
CN ⁽²⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996: Low Alarm Configuration <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>
P1	Hydrostatic Testing
P2	Cleaning for Special Service
P3	Cleaning for <1 PPM Chlorine/Fluorine
V5 ⁽³⁾	External Ground Screw Assembly
Typical Model Number: 3051T G 5 F 2A 2 1 A B4	

(1) Materials of Construction meet NACE material recommendation per MR 01-75. Environmental limits apply to certain materials. Consult latest standard for details.

(2) Not available with fieldbus (output code F) or Profibus protocols (output code W).

(3) The V5 option is not needed with T1 option; external ground screw assembly is included with the T1 option.

TABLE 12. 3051L Flange-Mounted Liquid Level Transmitter

Model	Transmitter Type		
3051L	Flange-Mounted Liquid Level Transmitter		
Code	PRESSURE RANGES (RANGE/MIN. SPAN)		
2	–250 to 250 inH ₂ O/2.5 inH ₂ O (–0,6 to 0,6 bar/6,2 mbar)		
3	–1000 to 1000 inH ₂ O/10 inH ₂ O (–2,5 to 2,5 bar/25 mbar)		
4	–300 to 300 psi/3 psi (–20,7 to 20,7 bar/0,2 bar)		
Code	Output		
A	4–20 mA with Digital Signal Based on HART Protocol		
M	Low-Power 1–5 V dc with Digital Signal Based on HART Protocol (See Option Code C2 for 0.8–3.2 V dc Output)		
<i>NOTE: Not available with hazardous certification Option Codes I1, N1, E4, K6, and K8.</i>			
F	FOUNDATION fieldbus		
W	Profibus – PA		
HIGH PRESSURE SIDE			
Code	Diaphragm Size	Material	Extension Length
G0	2 in./DN 50	316L SST	Flush Mount Only
H0	2 in./DN 50	Hastelloy	Flush Mount Only
J0	2 in./DN 50	Tantalum	Flush Mount Only
A0	3 in./DN 80	316L SST	Flush Mount
A2	3 in./DN 80	316L SST	2 in./50 mm
A4	3 in./DN 80	316L SST	4 in./100 mm
A6	3 in./DN 80	316L SST	6 in./150 mm
B0	4 in./DN 100	316L SST	Flush Mount
B2	4 in./DN 100	316L SST	2 in./50 mm
B4	4 in./DN 100	316L SST	4 in./100 mm
B6	4 in./DN 100	316L SST	6 in./150 mm
C0	3 in./DN 80	Hastelloy	Flush Mount
C2	3 in./DN 80	Hastelloy	2 in./50 mm
C4	3 in./DN 80	Hastelloy	4 in./100 mm
C6	3 in./DN 80	Hastelloy	6 in./150 mm
D0	4 in./DN 100	Hastelloy	Flush Mount
D2	4 in./DN 100	Hastelloy	2 in./50 mm
D4	4 in./DN 100	Hastelloy	4 in./100 mm
D6	4 in./DN 100	Hastelloy	6 in./150 mm
E0	3 in./DN 80	Tantalum	Flush Mount Only
F0	4 in./DN 100	Tantalum	Flush Mount Only

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TABLE 12. 3051L Flange-Mounted Liquid Level Transmitter

MOUNTING FLANGE				
Code	Size	ASME B 16.5 (ANSI) or DIN Flange Rating	Material	
M	2 in.	Class 150	CS	
A	3 in.	Class 150	CS	
B	4 in.	Class 150	CS	
N	2 in.	Class 300	CS	
C	3 in.	Class 300	CS	
D	4 in.	Class 300	CS	
P	2 in.	Class 600	CS	
E	3 in.	Class 600	CS	
X	2 in.	Class 150	SST	
F	3 in.	Class 150	SST	
G	4 in.	Class 150	SST	
Y	2 in.	Class 300	SST	
H	3 in.	Class 300	SST	
J	4 in.	Class 300	SST	
Z	2 in.	Class 600	SST	
L	3 in.	Class 600	SST	
Q	DN 50	PN 10-40	CS	
R	DN 80	PN 40	CS	
S	DN 100	PN 40	CS	
V	DN 100	PN 10/16	CS	
K	DN 50	PN 10-40	SST	
T	DN 80	PN 40	SST	
U	DN 100	PN 40	SST	
W	DN 100	PN 10/16	SST	
Code	Process Fill-High Pressure Side	Temperature Limits		
A	Syltherm XLT	-100 to 300 °F (-73 to 135 °C)		
C	D. C. Silicone 704	60 to 400 °F (15 to 205 °C)		
D	D. C. Silicone 200	-40 to 400 °F (-40 to 205 °C)		
H	Inert (Halocarbon)	-50 to 350 °F (-45 to 177 °C)		
G	Glycerine and Water	0 to 200 °F (-17 to 93 °C)		
N	Neobee M-20	0 to 400 °F (-17 to 205 °C)		
P	Propylene Glycol and Water	0 to 200 °F (-17 to 93 °C)		
LOW PRESSURE SIDE				
Code	Configuration	Flange Adapter	Diaphragm Material	Sensor Fill Fluid
11	Gage	SST	316L SST	Silicone
21	Differential	SST	316L SST	Silicone
22	Differential	SST	Hastelloy C-276	Silicone
2A	Differential	SST	316L SST	Inert (Halocarbon)
2B	Differential	SST	Hastelloy C-276	Inert (Halocarbon)
31	Remote Seal	SST	316L SST	Silicone (Requires Option Code S1)
Code	O-ring Material			
A	Glass-filled TFE			

TABLE 12. 3051L Flange-Mounted Liquid Level Transmitter

Code	Housing Material	Conduit Entry Size
A	Polyurethane-covered Aluminum	½–14 NPT
B	Polyurethane-covered Aluminum	M20 × 1.5 (CM20)
C	Polyurethane-covered Aluminum	PG 13.5
D	Polyurethane-covered Aluminum	G½
J	SST	½–14 NPT
K	SST	M20 × 1.5 (CM20)
L	SST	PG 13.5
M	SST	G½
Code	PlantWeb Functionality	
A01	Regulatory control suite: PID, arith, signal char, integ, etc.; requires FOUNDATION fieldbus	
D01	Diagnostics suite, Plugged Impulse Line and SPM diagnostics; requires FOUNDATION fieldbus	
Code	Diaphragm Seal Assemblies (Optional)	
S1	One Diaphragm Seal (requires low pressure side Option Code 31 capillary connection type)	
Code	Hazardous Locations Certification Options	
E5	FM Explosion proof Approval	
I5	FM Non-incendive and Intrinsic Safety Approval	
K5	FM Explosion proof and Intrinsic Safety Approval	
I1	BASEEFA/CENELEC Intrinsic Safety and Dust Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	
N1	BASEEFA/CENELEC Type N and Dust Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	
E8	KEMA/CENELEC Flameproof and Dust Certification	
E4	JIS Flameproof Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	
C6	CSA Explosion proof and Intrinsic Safety Approval	
K6	Combination of CSA and CENELEC Explosion proof and Intrinsic Safety Approval <i>NOTE: Not available with low-power Option Code M.</i>	
K7	Combination of SAA Flameproof and Intrinsic Safety Approvals	
K8	Combination of CENELEC Flameproof and Intrinsic Safety Approvals <i>NOTE: Not available with low-power Option Code M.</i>	
KB	Combination of FM and CSA Explosion proof and Intrinsic Safety Approvals	
I7	SAA Intrinsic Safety Certification	
E7	SAA Flameproof Certification	
N7	SAA Type N Certification	
IA	BASEEFA/CENELEC Intrinsic Safety for FISCO; for FOUNDATION fieldbus protocol only	
Code	Bolt for Flange and Adapters (Optional)	
L5	ASME B 16.5 (ANSI)/ASTM-A-193-B7M Bolts (Austenitic 316 SST bolts standard)	
Code	Meter Options	
M5	LCD Meter for Aluminum Housing (Housing Codes A, B, C, and D only)	
M6	LCD Meter for SST Housing (Housing Codes J, K, L, and M only)	

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TABLE 12. 3051L Flange-Mounted Liquid Level Transmitter

Code	Other Options
Q4	Calibration Data Sheet
Q8	Material Traceability Certification per EN 10204 3.1.B <i>NOTE: This options is available with the diaphragm, upper housing, Coplanar flange, adapter, sensor module housing, lower housing/flushing connection, and extension.</i>
QP	Calibration certification and tamper evident seal
J1 ⁽¹⁾	Local Zero Adjustment Only <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>
J3 ⁽¹⁾	No Local Zero or Span Adjustment <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>
T1	Transient Protection Terminal Block <i>NOTE: Not available with hazardous locations certification Option Code I1, K6, or K8.</i>
C1 ⁽¹⁾	Custom Software Configuration (Completed CDS 00806-0100-4001 required with order)
C2 ⁽¹⁾	0.8–3.2 V dc Output with Digital Signal Based on HART Protocol (Output Code M only)
C4 ⁽¹⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996 <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>
CN ⁽¹⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996: Alarm Configuration–Low <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>
D8	Ceramic Ball Drain/Vents
V5 ⁽²⁾	External Ground Screw Assembly

Lower Housing Flushing Connections

Code	Ring Material	Number	Size	Diaphragm Size		
				2 in.	3 in.	4 in.
F1	SST	1	¼	•	•	•
F2	SST	2	¼	•	•	•
F3	Hastelloy	1	¼	•	•	•
F4	Hastelloy	2	¼	•	•	•
F7	SST	1	½	•	•	•
F8	SST	2	½	•	•	•
F9	Hastelloy	1	½	•	•	•
F0	Hastelloy	2	½	•	•	•

NOTE: Flushing Codes F3 and F4 are not available with Option Codes A0, B0, and G0.

Typical Model Number:

- (1) Not available with fieldbus (output code F) or profibus protocols (output code W).
- (2) The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

TABLE 13. 3051H Pressure Transmitter for High-Temperature Processes — = Not Applicable • = Applicable

Model	Transmitter Type (Select One)	Available		
		HD	HG	
3051HD	Differential Pressure Transmitter for High-Temperature Processes	•	—	
3051HG	Gage Pressure Transmitter for High-Temperature Processes	—	•	
Code	3051HD	3051HG		
2	–250 to 250 inH ₂ O/2.5 inH ₂ O (–0,62 to 0,62 bar/6,2 mbar)	–250 to 250 inH ₂ O/2.5 inH ₂ O (–0,62 to 0,62 bar/6,2 mbar)		
3	–1000 to 1000 inH ₂ O/10 inH ₂ O (–2,5 to 2,5 bar/25 mbar)	–407 to 1000 inH ₂ O/10 in H ₂ O (–1,01 to 2,5 bar/25 mbar)		
4	–300 to 300 inH ₂ O/3 psi (–747 to 747 mbar/0,2 bar)	–14.7 to 300 psi/3 psi (–1,01 to 20,7 bar/0,2 bar)		
5	–2000 to 2000 psi/20 psi (–138 to 138 bar/1,4 bar)	–14.7 to 2000 psig/20 psi (–1,01 to 138 bar/1,4 bar)		
<i>NOTE: 3051HG lower range limit varies with atmospheric pressure.</i>				
Code	Output	HD	HG	
A	4–20 mA with Digital Signal Based on HART Protocol	•	•	
M	Low-Power 1–5 V dc with Digital Signal Based on HART Protocol (See Option Code C2 for 0.8–3.2 V dc Output) <i>NOTE: Not available with hazardous certification Option Codes I1, N1, E4, K6, and K8.</i>	•	•	
F	FOUNDATION fieldbus	•	•	
W	Profibus – PA	•	•	
Code	PROCESS CONNECTION	HD	HG	
	Process Flange Material			
	Drain/Vent			
2	SST	•	•	
7 ⁽¹⁾	SST	•	•	
	Hastelloy	•	•	
Code	Process Isolating Diaphragm	HD	HG	
2	316L SST	•	•	
3 ⁽¹⁾	Hastelloy C-276 (Meets NACE material recommendations per MR 01-75)	•	•	
5	Tantalum	•	•	
Code	O-ring Material	HD	HG	
A	Glass-Filled TFE	•	•	
Code	Process Fill Fluid	HD	HG	
D	D.C. 200 Silicone	•	•	
H	Inert	•	•	
N	Neobee M-20	•	•	
Code	Sensor Module Isolator Material	HD	HG	
2	SST	•	•	
Code	Sensor Module Fill Fluid	HD	HG	
1	Silicone	•	•	
2	Inert (Halocarbon)	•	•	
Code	Housing Material	Conduit Entry Size	HD	HG
A	Polyurethane-covered Aluminum	½–14 NPT	•	•
B	Polyurethane-covered Aluminum	M20 × 1.5 (CM20)	•	•
C	Polyurethane-covered Aluminum	PG 13.5	•	•
D	Polyurethane-covered Aluminum	G½	•	•
J	SST	½–14 NPT	•	•
K	SST	M20 × 1.5 (CM20)	•	•
L	SST	PG 13.5	•	•
M	SST	G½	•	•
Code	PlantWeb Functionality	HD	HG	
A01	Regulatory control suite: PID, arith, signal char, integ, etc.; requires FOUNDATION fieldbus			
D01	Diagnostics suite, Plugged Impulse Line and SPM diagnostics; requires FOUNDATION fieldbus			
Code	Integral Mount Primary Elements (Optional)	HD	HG	
S4	Factory Assembly to Rosemount Primary Element (Diamond II+Annubar/Rosemount 1195 Integral Orifice) <i>NOTE: With the primary element installed, the maximum operating pressure will equal the lesser of either the transmitter or the primary element. Option is available for factory assembly to range 1–4 transmitters only.</i>	•	—	

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TABLE 13. 3051H Pressure Transmitter for High-Temperature Processes — = Not Applicable • = Applicable

Code	Mounting Bracket Options	HD	HG
B5	Universal Mounting Bracket for 2-in. Pipe or Panel Mount, CS Bolts	•	•
B6	Universal Mounting Bracket for 2-in. Pipe or Panel Mount, SST Bolts	•	•
Code	Hazardous Locations Certification Options	HD	HG
E5	FM Explosion proof Approval	•	•
I5	FM Non-incendive and Intrinsic Safety Approval	•	•
K5	FM Explosion proof and Intrinsic Safety Approval	•	•
I1	BASEEFA/CENELEC Intrinsic Safety and Dust Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	•	•
N1	BASEEFA/CENELEC Type N and Dust Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	•	•
E8	KEMA/CENELEC Flameproof and Dust Certification	•	•
E4	JIS Flameproof Certification (<i>NOTE: Not available with low-power Option Code M.</i>)	•	•
C6	CSA Explosion proof and Intrinsic Safety Approval	•	•
K6	Combination of CSA and CENELEC Explosion proof and Intrinsic Safety Approval (<i>NOTE: Not available with low-power Option Code M.</i>)	•	•
K7	Combination of SAA Flameproof and Intrinsic Safety Approvals	•	•
K8	Combination of CENELEC Flameproof and Intrinsic Safety Approvals (<i>NOTE: Not available with low-power Option Code M.</i>)	•	•
KB	Combination of FM and CSA Explosion proof and Intrinsic Safety Approvals	•	•
I7	SAA Intrinsic Safety Certification	•	•
E7	SAA Flameproof Certification	•	•
N7	SAA Type N Certification	•	•
IA	BASEEFA/CENELEC Intrinsic Safety for FISCO; for FOUNDATION fieldbus protocol only	•	•
IE	FM FISCO Intrinsic Safety; for FOUNDATION fieldbus protocol only	•	•
Code	Bolt for Flange and Adapter Options	HD	HG
L4	Austenitic 316 SST Bolts	•	•
Code	Meter Options	HD	HG
M5	LCD Meter for Aluminum Housing (Housing Codes A, B, C, and D only)	•	•
M6	LCD Meter for SST Housing (Housing Codes J, K, L, and M only)	•	•
Code	Other Options	HD	HG
Q4	Calibration Data Sheet	•	•
Q8	Material traceability certification per EN 10204 3.1.B	•	•
QP	Calibration certification and tamper evident seal	•	•
J1 ⁽²⁾	Local Zero Adjustment Only <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•
J3 ⁽²⁾	No Local Zero or Span Adjustment <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•
T1	Transient Protection Terminal Block <i>NOTE: Not available with hazardous locations certification Option Code I1, K6, or K8.</i>	•	•
C1 ⁽²⁾	Custom Software Configuration (Completed CDS 00806-0100-4001 required with order)	•	•
C2 ⁽²⁾	0.8–3.2 V dc Output with Digital Signal Based on HART Protocol (Output Code M only)	•	•
C4 ⁽²⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996 <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•
CN ⁽²⁾	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996: Alarm Configuration—Low <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•
P1	Hydrostatic Testing	•	•
P2	Cleaning for Special Service	•	•
P3	Cleaning for <1 PPM Chlorine/Fluorine	•	•
DF	¹ / ₂ –14 NPT flange adapters—SST	•	•
D8	Ceramic Ball Drain/Vents	•	•
V5 ⁽³⁾	External Ground Screw Assembly	•	•
Typical Model Number: 3051HG 2 A 2 2 A H 2 1 A B5			

(1) Materials of Construction meet NACE material recommendation per MR 01-75. Environmental limits apply to certain materials. Consult latest standard for details.

(2) Not available with fieldbus (output code F) or profibus protocols (output code W).

(3) The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Rosemount 3051

TABLE 14. 3051P Reference Class Transmitter — = Not Applicable • = Applicable

Model	Transmitter Type (Select One)	Available			
		PD	PG		
3051PD	Rosemount 3051P Reference Class Differential Pressure Transmitter	•	—		
3051PG	Rosemount 3051 P Reference Class Gage Pressure Transmitter	•	•		
Pressure Ranges (Range/Min. Span)					
Code	Rosemount 3051 PD	Rosemount 3051 PG	PD	PG	
2	–250 to 250 inH ₂ O/25 inH ₂ O (–0,62 to 0,62 bar/62,3 mbar)	–250 to 250 inH ₂ O/25 inH ₂ O (–0,62 to 0,62 bar/6,2 mbar)	•	•	
3	–1000 to 1000 inH ₂ O/100 inH ₂ O (–2,5 to 2,5 bar/25 mbar)	–407 to 100 inH ₂ O/100 in H ₂ O (–1,01 to 2,5 bar/250 mbar)	•	•	
4	Not Applicable	–14.7 to 30 psi/30 psi (–1,01 to 20,7 bar/207 mbar)	—	•	
5	Not Applicable	–14.7 to 200 psig/200 psi (–1,01 to 138 bar/1,4 bar)	—	•	
NOTE: 3051PG lower range limit varies with atmospheric pressure.					
Code	Output	PD	PG		
A	4–20 mA with Digital Signal Based on HART Protocol	•	•		
MATERIALS OF CONSTRUCTION					
Code	Process Flange Type	Flange Material	Drain/Vent	PD	PG
2	Coplanar	SST	SST	•	•
0 ⁽¹⁾	Alternate Flange—See Alternate Flange Options page 36.			•	•
Code	Isolating Diaphragm	PD	PG		
2	316L SST	•	•		
Code	O-ring Material	PD	PG		
A	Glass-Filled TFE	•	•		
Code	Fill Fluid	PD	PG		
1	Silicone	•	•		
2	Inert (Halocarbon)	•	•		
Code	Housing Material	Conduit Entry Size	PD	PG	
A	Polyurethane-covered Aluminum	½–14 NPT	•	•	
B	Polyurethane-covered Aluminum	M20 × 1.5 (CM20)	•	•	
C	Polyurethane-covered Aluminum	PG 13.5	•	•	
D	Polyurethane-covered Aluminum	G½	•	•	
J	SST	½–14 NPT	•	•	
K	SST	M20 × 1.5 (CM20)	•	•	
L	SST	PG 13.5	•	•	
M	SST	G½	•	•	
Code	Alternate Flange Options (Requires Materials of Construction Code 0)	PD	PG		
H2	Traditional Flange, 316 SST Drain/Vent, SST Flange Adapter	•	•		
FA	Level Flange, SST, 2 in., ANSI Class 150, Vertical Mount	•	•		
FB	Level Flange, SST, 2 in., ANSI Class 300, Vertical Mount	•	•		
FC	Level Flange, SST, 3 in., ANSI Class 150, Vertical Mount	•	•		
FD	Level Flange, SST, 3 in., ANSI Class 300, Vertical Mount	•	•		
FP	DIN Level Flange, SST, DN 50, PN 40, Vertical Mount	•	•		
FQ	DIN Level Flange, SST, DN 80, PN 40, Vertical Mount	•	•		
Code	Integral Mount Manifold Options	PD	PG		
S5	Assemble to Rosemount 305 Integral Manifold	•	•		
Code	Integral Mount Primary Elements (Optional)	PD	PG		
S4	Factory Assembly to Rosemount Primary Element (Diamond II+Annubar/Rosemount 1195 Integral Orifice) NOTE: With the primary element installed, the maximum operating pressure will equal the lesser of either the transmitter or the primary element. Option is available for factory assembly to range 2–3 transmitters only.	•	—		

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TABLE 14. 3051P Reference Class Transmitter — = Not Applicable • = Applicable

Code	Mounting Bracket Options	PD	PG
B4	Coplanar Flange Bracket for 2-in. Pipe or Panel Mounting, All SST	•	•
B1	Traditional Flange Bracket for 2-in. Pipe Mounting, CS Bolts	•	•
B2	Traditional Flange Bracket for Panel Mounting, CS Bolts	•	•
B7	B1 Bracket with Series 300 SST Bolts	•	•
B8	B2 Bracket with Series 300 SST Bolts	•	•
BA	SST B1 Bracket with Series 300 SST Bolts	•	•
BC	SST B3 Bracket with Series 300 SST Bolts	•	•
Code	Hazardous Locations Certification Options		
E5	FM Explosion proof Approval	•	•
I5	FM Non-incendive and Intrinsic Safety Approval	•	•
K5	FM Explosion proof and Intrinsic Safety Approval	•	•
I1	BASEEFA/CENELEC Intrinsic Safety and Dust Certification	•	•
N1	BASEEFA/CENELEC Type N and Dust Certification	•	•
E8	KEMA/CENELEC Flameproof and Dust Certification	•	•
E4	JIS Flameproof Certification	•	•
C6	Canadian Standards Association (CSA) Explosion proof and Intrinsic Safety Approval	•	•
K6	Combination of CSA and CENELEC Explosion proof and Intrinsic Safety Approval	•	•
K7	Combination of SAA Flameproof and Intrinsic Safety Approvals	•	•
K8	Combination of CENELEC Flameproof and Intrinsic Safety Approvals	•	•
KB	Combination of FM and CSA Explosion proof and Intrinsic Safety Approvals	•	•
I7	SAA Intrinsic Safety Certification	•	•
E7	SAA Flameproof Certification	•	•
N7	SAA Type N Certification	•	•
Code	Other Options		
Q4	Calibration Data Sheet	•	
Q8	Material Traceability Certification per EN 10204 3.1.B <i>NOTE: This option is available for the sensor module housing and Coplanar or traditional flanges and adapters.</i>	•	•
QP	Calibration Certification and Tamper Evident Seal	•	•
L4	Austenitic 316 SST Bolts	•	•
L5	ANSI/ASTM-A-193-B7M Bolts	•	•
L6	Monel Bolts	•	•
M5	LCD Meter for Aluminum Housing (Housing Codes A, B, C, and D only)	•	•
M6	LCD Meter for SST Housing (Housing Codes J, K, L, and M only)	•	•
J1	Local Zero Adjustment Only <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•
J3	No Local Zero or Span Adjustment <i>NOTE: Local zero and span adjustments are standard unless Option Code J1 or J3 is specified.</i>	•	•
T1	Transient Protection Terminal Block <i>NOTE: Not available with hazardous locations certification Option Code I1.</i>	•	•
C1	Custom Software Configuration (Completed CDS 00806-0100-4001 required with order)	•	•
C4	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996 <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•
CN	Analog Output Levels Compliant with NAMUR Recommendation NE43, 27-June-1996: Alarm Configuration—Low <i>NOTE: NAMUR-Compliant operation is pre-set at the factory and cannot be changed to standard operation in the field.</i>	•	•
P1	Hydrostatic Testing	•	•
P2	Cleaning for Special Service	•	•
P3	Cleaning for <1 PPM Chlorine/Fluorine	•	•
P4	Calibrate at line pressure <i>NOTE: Specify Q48 on order for corresponding certificate.</i>	•	•
DF	1/2-14 NPT flange adapters—SST	•	•
D7	Coplanar Flange Without Drain/Vent Ports	•	•
V5 ⁽²⁾	External Ground Screw Assembly	•	•
Typical Model Number: 3051PD 3 A 2 2 A 1 A B4			

(1) NOTE: May impact temperature performance under certain conditions.

(2) The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

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OPTIONS

Standard Configuration

Unless otherwise specified, transmitter is shipped as follows:

ENGINEERING UNITS

Differential/Gage:	inH ₂ O (Range 0, 1, 2, and 3) psi (Range 4 and 5)
Absolute/3051T:	psi (all ranges)
4 mA (1 V dc)⁽¹⁾:	0 (engineering units above)
20 mA (5 V dc):	Upper range limit
Output:	Linear
Flange type:	Specified model code option
Flange material:	Specified model code option
O-ring material:	Specified model code option
Drain/vent:	Specified model code option
Integral meter:	Installed or none
Alarm⁽¹⁾:	Upscale
Software tag:	(Blank)

⁽¹⁾ Not applicable to fieldbus.

Custom Configuration HART protocol only (Option Code C1)⁽¹⁾

If Option Code C1 is ordered, the customer may specify the following data in addition to the standard configuration parameters.

- Output Information
- Transmitter Information
- LCD Meter Configuration
- Hardware Selectable Information
- Signal Selection

Refer to the "HART Protocol C1 Option Configuration Data Sheet" on page 41.

Tagging

Three customer tagging options are available:

1. Standard SST hardware tag is wired to the transmitter. Tag character height is 0.125 in. (3,18 mm), 56 characters maximum.
2. Tag may be permanently stamped on transmitter nameplate upon request, 56 characters maximum.
3. Tag may be stored in transmitter memory (30 characters maximum). Software tag is left blank unless specified.

Commissioning tag (fieldbus only)

A temporary commissioning tag is attached to all transmitters. The tag indicates the device ID and allows an area for writing the location.

Optional Rosemount 305 or 306 Integral Manifolds

Factory assembled to 3051C and 3051T transmitters. Refer to the following Rosemount document for more information: Product Data Sheet 00813-0100-4733

Optional Three-Valve Manifolds

(Packaged Separately)

Part No.1151-0150-0001

3-Valve Manifold, Carbon Steel

Part No. 1151-0150-0002

3-Valve Manifold, 316 SST

Optional Diaphragm and Sanitary Seals

Refer to Product Data Sheet 00813-0100-4016 or 00813-0201-4016.

Output Information⁽¹⁾

Output range points must be the same unit of measure. Available units of measure include:

inH ₂ O	inH ₂ O@4 °C ⁽¹⁾	psi	Pa
inHg	ftH ₂ O	bar	kPa
mmH ₂ O	mmH ₂ O@4 °C ⁽¹⁾	mbar	torr
mmHg	g/cm ²	kg/cm ²	atm

⁽¹⁾ Not available on low power or previous versions.

LCD Meter

M5 Digital Meter, 5-Digit, 2-Line LCD

- Direct reading of digital data for higher accuracy
- Displays user-defined flow, level, volume, or pressure units
- Displays diagnostic messages for local troubleshooting
- 90-degree rotation capability for easy viewing

M6 Digital Meter with 316 Stainless Steel Cover

- For use with stainless steel housing option (housing codes J, K, and L)

⁽¹⁾ Not applicable to fieldbus.

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Local Span and Zero Adjustment⁽¹⁾

Transmitters ship with local span and zero adjustments standard unless otherwise specified.

- Non-interactive external zero and span adjustments ease calibration
- Magnetic switches replace standard potentiometer adjustments to optimize performance

J1 Local Zero Adjustment Only⁽¹⁾

J3 No Local Zero or Span Adjustment⁽¹⁾

Transient Protection

- Integral transient protection terminal block
- Meets IEEE Standard 587, Category B
 - 1 kV crest (10 × 1 000 microseconds)
 - 3 kV crest (8 × 20 microseconds)
 - 6 kV crest (1.2 × 50 microseconds)
- Meets IEEE Standard 472, Surge Withstand Capability SWC 2,5 kV crest, 1 MHz wave form
- Applicable standards: IEC 801-4, 801-5

T1 Integral Transient Protection Terminal Block

Bolts for Flanges and Adapters

- Options permit bolts for flanges and adapters to be obtained in various materials
- Standard material is plated carbon steel per ASTM A449, Type 1

L4 Austenitic 316 Stainless Steel Bolts

L5 ASTM-A-193-B7M Bolts

L6 Monel Bolts

Rosemount 3051C/P Coplanar Flange and 3051T Bracket Option

B4 Bracket for 2-in. Pipe or Panel Mounting

- For use with the standard Coplanar flange configuration
- Bracket for mounting of transmitter on 2-in. pipe or panel
- Stainless steel construction with stainless steel bolts

Rosemount 3051H Bracket Options

B5 Bracket for 2-in. Pipe or Panel Mounting

- For use with the 3051H Pressure Transmitter for high process temperatures
- Carbon steel construction with carbon steel bolts

B6 B5 Bracket with SST Bolts

- Same bracket as the B5 option with Series 300 stainless steel bolts.

Traditional Flange Bracket Options

B1 Bracket for 2-in. Pipe Mounting

- For use with the traditional flange option
- Bracket for mounting on 2-in. pipe
- Carbon steel construction with carbon steel bolts
- Coated with polyurethane paint

B2 Bracket for Panel Mounting

- For use with the traditional flange option
- Bracket for mounting transmitter on wall or panel
- Carbon steel construction with carbon steel bolts
- Coated with polyurethane paint

B3 Flat Bracket for 2-in. Pipe Mounting

- For use with the traditional flange option
- Bracket for vertical mounting of transmitter on 2-in. pipe
- Carbon steel construction with carbon steel bolts
- Coated with polyurethane paint

B7 B1 Bracket with SST Bolts

- Same bracket as the B1 option with Series 300 stainless steel bolts

B8 B2 Bracket with SST Bolts

- Same bracket as the B2 option with Series 300 stainless steel bolts

B9 B3 Bracket with SST Bolts

- Same bracket as the B3 option with Series 300 stainless steel bolts

(1) Not applicable to fieldbus.

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BA Stainless Steel B1 Bracket with SST Bolts

- B1 bracket in stainless steel with Series 300 stainless steel bolts

BC Stainless Steel B3 Bracket with SST Bolts

- B3 bracket in stainless steel with Series 300 stainless steel bolts

Shipping Weights

TABLE 15. Transmitter Weights without Options

Transmitter	Add Weight In lb (kg)
3051C/P	6.0 (2,7)
3051L	Table 16 on page 40
3051H	13.6 (6,2)
3051T	3.0 (1,4)

TABLE 16. 3051L Weights without Options

Flange	Flush lb. (kg)	2-in. Ext. lb (kg)	4-in. Ext. lb (kg)	6-in. Ext. lb (kg)
2-in., 150	12.5 (5,7)	—	—	—
3-in., 150	17.5 (7,9)	19.5 (8,8)	20.5 (9,3)	21.5 (9,7)
4-in., 150	23.5 (10,7)	26.5 (12,0)	28.5 (12,9)	30.5 (13,8)
2-in., 300	17.5 (7,9)	—	—	—
3-in., 300	22.5 (10,2)	24.5 (11,1)	25.5 (11,6)	26.5 (12,0)
4-in., 300	32.5 (14,7)	35.5 (16,1)	37.5 (17,0)	39.5 (17,9)
2-in., 600	15.3 (6,9)	—	—	—
3-in., 600	25.2 (11,4)	27.2 (12,3)	28.2 (12,8)	29.2 (13,2)
DN 50/ PN 40	13.8 (6,2)	—	—	—
DN 80/ PN 40	19.5 (8,8)	21.5 (9,7)	22.5 (10,2)	23.5 (10,6)
DN 100/ PN 10/16	17.8 (8,1)	19.8 (9,0)	20.8 (9,5)	21.8 (9,9)
DN 100/ PN 40	23.2 (10,5)	25.2 (11,5)	26.2 (11,9)	27.2 (12,3)

TABLE 17. Transmitter Options Weights

Code	Option	Add lb (kg)
J, K, L, M	Stainless Steel Housing(T)	3.9 (1,8)
J, K, L, M	Stainless Steel Housing (C, L, H, P)	3.1 (1,4)
M5	LCD Meter for Aluminum Housing	0.5 (0,2)
M6	LCD Meter for SST Housing	1.25 (0,6)
B4	SST Mounting Bracket for Coplanar Flange	1.0 (0,5)
B1 B2 B3	Mounting Bracket for Traditional Flange	2.3 (1,0)
B7 B8 B9	Mounting Bracket for Traditional Flange	2.3 (1,0)
BA, BC	SST Bracket for Traditional Flange	2.3 (1,0)
B5 B6	Mounting Bracket for 3051H	2.9 (1,3)
H2	Traditional Flange	2.4 (1,1)
H3	Traditional Flange	2.7 (1,2)
H4	Traditional Flange	2.6 (1,2)
H7	Traditional Flange	2.5 (1,1)
FC	Level Flange—3 in., 150	10.8 (4,9)
FD	Level Flange—3 in., 300	14.3 (6,5)
FA	Level Flange—2 in., 150	10.7 (4,8)
FB	Level Flange—2 in., 300	14.0 (6,3)
FP	DIN Level Flange, SST, DN 50, PN 40	8.3 (3,8)
FQ	DIN Level Flange, SST, DN 80, PN 40	13.7 (6,2)