Ordering Information

Rosemount 3051S Series Coplanar

Model	Transmitter Type				
3051S	Scalable pressure transmitter				
Code	Performance Class				
1 ⁽¹⁾	Ultra: 0.025% span accuracy, 200:1 rangedown, 2	10-vear stability, limited	12-vear warranty		
3 ⁽²⁾	Ultra for Flow: 0.04% reading accuracy, 200:1 ran			arrantv	
2	Classic: 0.055% span accuracy, 100:1 rangedowr		, , , , , , , , , , , , , , , , , , ,	unung	
Code	Connection Type	., . ,			
C	Coplanar				
-	•				
Code	Measurement Type ⁽³⁾				
2	Differential				
G	Gage				
Ą	Absolute				
Code	Pressure Range				
	Differential G	age		Absolute	
)A ⁽⁴⁾	-3 to 3 inH ₂ O (-7,47 to 7,47 mbar) N	/A		0 to 5 psia (0 to 0,3	34 bar)
IA	-25 to 25 inH ₂ O (-62,2 to 62,2 mbar) -2	25 to 25 inH ₂ O (-62,2 to	62,2 mbar)	0 to 30 psia (0 to 2	,06 bar)
2A	-250 to 250 inH ₂ O (-623 to 623 mbar) -2	250 to 250 inH ₂ O (-623 to	o 623 mbar)	0 to 150 psia (0 to	10,34 bar)
BA	-1000 to 1000 inH ₂ O (-2,5 to 2,5 bar) -3	393 to 1000 inH ₂ O (-0,98	to 2,5 bar)	0 to 800 psia (0 to	55,2 bar)
1A	-300 to 300 psi (-20,7 to 20,7 bar) -1	14.2 to 300 psig (-0,98 to	21 bar)	0 to 4000 psia (0 to	o 275,8 bar)
5A	-2000 to 2000 psi (-137,9 to 137,9 bar) -1	14.2 to 2000 psig (-0,98 t	o 137,9 bar)	N/A	
Code	Isolating Diaphragm				
(5)	316L SST				
3(5)	Hastelloy C-276				
Ļ	Monel 400				
5(6)	Tantalum				
6	Gold-plated Monel 400				
	Note: Includes graphite-filled TFE o-ring.				
7	Gold-plated 316L SST				
Code	Process Connection ⁽⁷⁾ S	ize	Materia	l Type ⁽⁸⁾	
					Bolting
000	N		Flande Material	Drain vent	БОШНО
	None		Flange Material	Drain Vent	Bolung
	None Assemble to Rosemount 305 integral manifold		Flange Material	Drain vent	воши
A11	Assemble to Rosemount 305 integral manifold	al	Flange Material	Drain vent	Bolung
\11 311 ⁽⁹⁾	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm set		Flange Material	Drain Vent	Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea		Flange Material	Drain vent	bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element	als		Drain vent	bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and	als I Rosemount 305 integra	l manifold		Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount <i>Annubar</i> Primary Eleme	als I Rosemount 305 integra ent with <i>Coplanar</i> flange	I manifold 316 SST	316 SST	Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange	l manifold 316 SST <i>Hastelloy</i> C-276	316 SST Hastelloy C-276	Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 C11 EA2 EA3 EA5	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange	l manifold 316 SST <i>Hastelloy</i> C-276 316 SST	316 SST Hastelloy C-276 Hastelloy C-276	Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme Coplanar flange	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange 4–18 NPT	l manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS	316 SST Hastelloy C-276 Hastelloy C-276 316 SST	Bolung
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange	I manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS 316 SST	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme Assemble to Rosemount <i>Annubar</i> Primary Eleme Coplanar flange 1/ Coplanar flange 1/	Als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange 4–18 NPT 4–18 NPT 4–18 NPT	l manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS	316 SST Hastelloy C-276 Hastelloy C-276 316 SST	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange 4–18 NPT 4–18 NPT	I manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS 316 SST <i>Hastelloy</i> C-276 <i>Monel</i> 400	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14 E15 ⁽⁵⁾	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/.	Als Als Als Als Als Als Als Als	I manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS 316 SST <i>Hastelloy</i> C-276 <i>Monel</i> 400 316 SST	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276	
$\begin{array}{c} \text{A11} \\ \text{B11}^{(9)} \\ \text{B12}^{(9)} \\ \text{C11} \\ $	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/.	als I Rosemount 305 integra ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange ent with <i>Coplanar</i> flange 4–18 NPT 4–18 NPT 4–18 NPT 4–18 NPT 4–18 NPT	I manifold 316 SST <i>Hastelloy</i> C-276 316 SST CS 316 SST <i>Hastelloy</i> C-276 <i>Monel</i> 400	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 C11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14 E15 ⁽⁵⁾ E16 ⁽⁵⁾ E21	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/.	Als Als Als Als Alson with <i>Coplanar</i> flange ant with	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14 E15 ⁽⁵⁾ E16 ⁽⁵⁾ E21 E22	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/.	Als Als Als Als Alson with <i>Coplanar</i> flange ant with	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS CS 316 SST	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST 316 SST	
$\begin{array}{c} A11 \\ B11^{(9)} \\ B12^{(9)} \\ C11 \\ D11 \\ EA2 \\ EA3 \\ EA5 \\ E11 \\ E12 \\ E13^{(5)} \\ E14 \\ E15^{(5)} \\ E16^{(5)} \\ E21 \\ E22 \\ E23^{(5)} \end{array}$	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount 4nnubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1//	Als Als Als Als Alson and the coplanar flange and with <i>Coplanar</i> flange and with <i>Coplanar</i> flange and with <i>Coplanar</i> flange and NPT and	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 C11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14 E15 ⁽⁵⁾ E16 ⁽⁵⁾ E21 E22 E23 ⁽⁵⁾ E24	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1// Coplanar flange R Coplanar flange R Coplanar flange R Coplanar flange R Coplanar	Als Als Als Als Also	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS CS 316 SST Hastelloy C-276 Monel 400	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST 316 SST Hastelloy C-276	
$\begin{array}{c} A11\\ B11^{(9)}\\ B12^{(9)}\\ C11\\ D11\\ EA2\\ EA3\\ EA5\\ E11\\ E12\\ E13^{(5)}\\ E14\\ E15^{(5)}\\ E16^{(5)}\\ E21\\ E22\\ E23^{(5)}\\ E24\\ E25^{(5)}\\ \end{array}$	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/. Coplanar flange R Coplanar flange<	Als I Rosemount 305 integra ant with <i>Coplanar</i> flange ant with <i>Coplanar</i> flange	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS 316 SST Hastelloy C-276 Monel 400 316 SST	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276	
$\begin{array}{c} A11\\ B11(9)\\ B12(9)\\ C11\\ D11\\ EA2\\ EA3\\ EA5\\ E11\\ E12\\ E13^{(5)}\\ E14\\ E15^{(5)}\\ E16^{(5)}\\ E21\\ E22\\ E23^{(5)}\\ E24\\ E25^{(5)}\\ E26^{(5)}\\ \end{array}$	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/. Coplanar flange R Coplanar flange<	Als Als Als Als Also	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS CS 316 SST Hastelloy C-276 Monel 400	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy C-276	
A11 B11 ⁽⁹⁾ B12 ⁽⁹⁾ C11 D11 EA2 EA3 EA5 E11 E12 E13 ⁽⁵⁾ E14 E15 ⁽⁵⁾ E16 ⁽⁵⁾ E21 E22 E23 ⁽⁵⁾ E24 E25 ⁽⁵⁾ E26 ⁽⁵⁾ E12 E13 ⁽⁵⁾	Assemble to Rosemount 305 integral manifold Assemble to one Rosemount 1199 diaphragm sea Assemble to two Rosemount 1199 diaphragm sea Assemble to Rosemount 405 primary element Assemble to Rosemount 405 primary element Assemble to Rosemount 1195 integral orifice and Assemble to Rosemount Annubar Primary Eleme Coplanar flange 1/. Coplanar flange R Coplanar	Als I Rosemount 305 integra ant with <i>Coplanar</i> flange ant with <i>Coplanar</i> flange	I manifold 316 SST Hastelloy C-276 316 SST CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS 316 SST Hastelloy C-276 Monel 400 316 SST CS CS	316 SST Hastelloy C-276 Hastelloy C-276 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276 Hastelloy 316 SST 316 SST Hastelloy C-276 Monel 400 Hastelloy C-276	

Rosemount 3051S Series

Product Data Sheet 00813-0100-4801, Rev GA Catalog 2006-2007

			Flange Material	Drain Vent	Bolting
F15 ⁽⁵⁾	Traditional flange	¹ /4–18 NPT	316 SST	Hastelloy C-276	Bolding
F22	Traditional flange	RC ¹ /4	316 SST	316 SST	
F23 ⁽⁵⁾	Traditional flange	RC ¹ /4	Hastelloy C-276	Hastelloy C-276	
F24	Traditional flange	RC ¹ /4	Monel 400	Monel 400	
F25 ⁽⁵⁾	Traditional flange	RC ¹ /4	316 SST	Hastelloy C-276	
F32	Bottom vent traditional flange	¹ /4–18 NPT	316 SST	316 SST	
F52	DIN-compliant traditional flange	¹ /4–18 NPT	316 SST	316 SST	⁷ /16-in. bolting
F62	DIN-compliant traditional flange	¹ /4–18 NPT	316 SST	316 SST	M10 bolting
F72	DIN-compliant traditional flange	¹ /4–18 NPT	316 SST	316 SST	M12 bolting
G11	Vertical mount level flange	2-in. ANSI class 150	316 SST		5
G12	Vertical mount level flange	2-in. ANSI class 300	316 SST		
G14 ⁽⁵⁾	Vertical mount level flange	2-in. ANSI class 150	Hastelloy C-276		
G15 ⁽⁵⁾	Vertical mount level flange	2-in. ANSI class 300	Hastelloy C-276		
G21	Vertical mount level flange	3-in. ANSI class 150	316 SST		
G22	Vertical mount level flange	3-in. ANSI class 300	316 SST		
G24 ⁽⁵⁾	Vertical mount level flange	3-in. ANSI class 150	Hastelloy C-276		
G25 ⁽⁵⁾	Vertical mount level flange	3-in. ANSI class 300	Hastelloy C-276		
G31	Vertical mount level flange	DIN- DN 50 PN 40	316 SST		
G41	Vertical mount level flange	DIN- DN 80 PN 40	316 SST		
Code	Output ⁽¹⁰⁾				
		DT			
A - (11)	4–20 mA with digital signal based on HA				
B ⁽¹¹⁾	4-20 mA Safety Certified with digital sign	nal based on HART protocol			
F ⁽¹²⁾	FOUNDATION fieldbus protocol		(0)		
Code	Housing Style		Material ⁽⁸⁾	Conduit Entry Siz	2e
00	None (SuperModule Platform only, no ho	ousing included)			
01 ⁽¹³⁾	Assemble to Rosemount 753R Web-Bas	ed Monitoring Indicator			
1A	PlantWeb housing		Aluminum	¹ /2–14 NPT	
1B	PlantWeb housing		Aluminum	M20 x 1.5 (CM20)	
1C	PlantWeb housing		Aluminum	G ¹ /2	
1J	PlantWeb housing		316L SST	¹ /2–14 NPT	
1K	PlantWeb housing		316L SST	M20 x 1.5 (CM20)	
1L	PlantWeb housing		316L SST	G ¹ /2	
2A	Junction Box housing		Aluminum	¹ /2–14 NPT	
2B	Junction Box housing		Aluminum	M20 x 1.5 (CM20)	
2C	Junction Box housing		Aluminum	G ¹ /2	
2J	Junction Box housing		316L SST	¹ /2–14 NPT	
2E	Junction Box Housing with output for ren	note display and interface	Aluminum	¹ /2–14 NPT	
2E 2F	Junction Box Housing with output for ren		Aluminum	M20 x 1.5 (CM20)	
2G	Junction Box Housing with output for ren		Aluminum	G ¹ /2	
2G 2M	Junction Box Housing with output for ren			¹ /2–14 NPT	
∠ivi 7J ⁽¹⁴⁾	Quick Connect (A size Mini, 4-pin male t	1 3	316L SST	/2-14 NP1	
		ermination)	316L SST		
Code	Options				
	Control Functionality				
401 ⁽¹⁵⁾	FOUNDATION fieldbus Advanced Control I	Function Block Suite			
	Diagnostic Functionality				
D01 ⁽¹⁵⁾	FOUNDATION fieldbus Diagnostics Suite				
DA1 ⁽¹⁶⁾	HART Diagnostics Suite				
PlantWeb	Enhanced Measurement Functionality				
H01 ⁽¹⁵⁾⁽¹⁷⁾					
Mounting	Brackets ⁽¹⁸⁾				
B4	Coplanar flange bracket, all SST, 2-in. pi	pe and panel			
B1	Traditional flange bracket, CS, 2-in. pipe				
B2	Traditional flange bracket, CS, panel				
B3	Traditional flange flat bracket, CS, 2-in. p	pipe			
B7	Traditional flange bracket, B1 with SST b				
B8	Traditional flange bracket, B2 with SST t				
	haddional hange blacket, bz with 001 k				
	Traditional flance bracket R3 with CCT k	nolts			
B9 BA	Traditional flange bracket, B3 with SST to Traditional flange bracket, B1, all SST	polts			

Special Co	onfiguration (Software)
C1 ⁽¹⁹⁾	Custom software configuration
	Note: A Configuration Data Sheet must be completed, see page Pressure-43.
C3	Gage pressure calibration on Rosemount 3051S_CA4 only
C4 ⁽¹⁹⁾	NAMUR alarm and saturation levels, high alarm
C5 ⁽¹⁹⁾	NAMUR alarm and saturation levels, low alarm
C6 ⁽¹⁾⁽¹⁹⁾	Custom alarm and saturation signal levels, high alarm
	Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see page Pressure-43.
C7 ⁽¹⁾⁽¹⁹⁾	Custom alarm and saturation signal levels, low alarm
	Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see page Pressure-43.
C8 ⁽¹⁹⁾	Low alarm (standard Rosemount alarm and saturation levels)
Special Co	onfiguration (Hardware)
D1 ⁽¹⁹⁾	Hardware adjustments (zero, span, alarm, security)
	Note: Not available with housing style codes 00, 01, 2E, 2F, 2G, 2M, or 7J.
D2 ⁽¹⁸⁾	Process adapters 1/2-14 NPT
D4	External ground screw assembly
D5 ⁽¹⁸⁾	Delete transmitter drain/vent valves (install plugs)
D7 ⁽¹⁸⁾	Coplanar flange without drain/vent ports
D8 ⁽¹⁸⁾	Ceramic drain/vent valves
D9 ⁽¹⁸⁾	RC ¹ /2 process adapters
	ertifications ⁽²⁰⁾
E1	ATEX Flameproof
11	ATEX Intrinsically Safe
IA	ATEX FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
N1	ATEX Type n
K1	ATEX Flameproof, Intrinsically Safe, Type n, Dust (combination of E1, I1, N1, and ND)
ND	ATEX Dust
E4	JIS Flameproof
E5	FM Explosion-proof
15	FM Explosion-proof
IE	FM FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
K5	FM Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5 and I5)
E6	CSA Explosion-proof, Division 2
16	CSA Explosion-proof, Division 2
IF	
K6	CSA FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E6 and I6)
D3 ⁽¹¹⁾⁽²¹⁾	
	Measurement Canada Accuracy Approval
E7	SAA Flameproof, Dust Ignition-proof
17	IECEx Intrinsically Safe
IG	IECEx FISCO Intrinsically Safe
N7	IECEx Type n
K7	SAA Flameproof, Dust Ignition-proof, IECEx Intrinsically Safe, and Type n (combination of E7, I7, and N7)
KA	ATEX and CSA Flameproof, Intrinsically Safe (combination of E1, I1, E6, and I6) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
KB	FM and CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E5, E6, I5, and I6) <i>Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.</i>
KC	FM and ATEX Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5, E1, I5, and I1) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
KD	FM, CSA, and ATEX Explosion-proof, Intrinsically Safe (combination of E5, I5, E6, I6, E1, and I1) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
DW ⁽²²⁾	NSF Drinking Water Approval
	Materials of Construction
L1	Inert sensor fill fluid (differential and gage only) Note: Silicone fill fluid is standard.
L2	Graphite-filled <i>Teflon</i> [®] (PTFE) o-ring
L2 L4 ⁽¹⁸⁾	Austenitic 316 SST bolts
L4 ⁽¹⁸⁾	
L6 ⁽¹⁸⁾	ASTM A 193, Grade B7M bolts
L6 ⁽¹⁸⁾ L7 ⁽¹⁸⁾	Monel bolts
L/\``)	ASTM A 453, Class A, Grade 660 bolts

L8 ⁽¹⁸⁾	ASTM A 193, Class 2, Grade B8M bolts				
Digital Dis	Digital Display ⁽²³⁾				
M5	PlantWeb LCD Display				
M7 ⁽¹⁾⁽²⁴⁾	Remote mount LCD display and interface, no cable; PlantWeb housing, SST bracket, requires 4-20 mA / HART output Note: Use Belden 3084A cable or equivalent. Contact an Emerson Process Management representative for additional information.				
M8 ⁽¹⁾⁽²⁴⁾	Remote mount LCD display and interface, 50 ft. (15 m) cable; PlantWeb housing, SST bracket, requires 4-20 mA / HART output				
M9 ⁽¹⁾⁽²⁴⁾	Remote mount LCD display and interface, 100 ft. (31 m) cable; PlantWeb housing, SST bracket, requires 4-20 mA / HART output				
Special Pr	ocedures				
P1	Hydrostatic testing with certificate				
P2 ⁽¹⁸⁾	Cleaning for special services				
P3 ⁽¹⁸⁾	Cleaning for less than 1PPM chlorine/fluorine				
P9	4500 psig (310 bar) static pressure limit (Rosemount 3051S_CD only)				
P0 ⁽²⁵⁾	6092 psig (420 bar) static pressure limit (Rosemount 3051S2CD only)				
Special Ce	ertifications				
Q4	Calibration certificate				
QP	Calibration certificate and tamper evident seal				
Q8	Material traceability certification per EN 10204 3.1.B				
QS ⁽²⁶⁾	Certificate of FMEDA Data				
Q16	Surface finish certification for sanitary remote seals				
Terminal E	Blocks				
T1 ⁽²⁷⁾	Transient terminal block				
T2 ⁽²⁸⁾	Terminal block with WAGO [®] spring clamp terminals				
T3 ⁽²⁸⁾	Transient terminal block with WAGO spring clamp terminals				
	lectrical Connector				
GE ⁽²⁹⁾	M12, 4-pin, Male Connector (<i>eurofast[®]</i>)				
GM ⁽²⁹⁾	A size Mini, 4-pin, Male Connector (<i>minifast</i> ®)				
Typical Mo	odel Number: 3051S1CD 2A 2 E12 A 1A DA1 B4 M5				

- (1) Not available with output code B.
- (2) Not available with output code B or Housing code 01. This option is only available with range codes 2A and 3A, 316L SST isolating diaphragm and silicone fill fluid.
- (3) Performance Class code 3 is available with Measurement Type code D only.
- (4) 3051S_CD0 is only available with traditional flange, 316 SST diaphragm material, silicone fill fluid, and Bolting option L4.
- (5) Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.
- (6) Tantalum diaphragm material is only available for ranges 2A 5A, differential and gage.
- (7) Process connection option codes B12, C11, D11, EA2, EA3 and EA5 are only available on differential Measurement Type, code D.
- (8) Material specified is cast as follows: CF-8M is the cast version of 316 SST, CF-3M is the cast version of 316L SST, CW-12MW is the cast version of Hastelloy C-276, M-30C is the cast version of Monel 400. For housing, material is aluminum with polyurethane paint.
- (9) Consult an Emerson Process Management representative for performance specifications.
- (10) For spare SuperModule Platforms, select output code A.
- (11) Requires PlantWeb housing and Hardware Adjustments option code D1. For the 3051S SIS Safety Transmitter, rangedown is limited to 10:1 on all models with the exception of range 0. The 3051S2CD0 is limited to 2:1 rangedown, the 3051S2CA0 is limited to 5:1 rangedown.
- (12) Requires PlantWeb housing
- (13) Available with output code A only. Not available with approvals. See Rosemount 753R Product Data Sheet, 00813-0100-4379, to specify Web-Based Monitoring Indicator. Does not integrate into plant host systems.
- (14) Available with output code A only. Available approvals are FM Intrinsically Safe, Non-incendive (option code I5) or ATEX Intrinsically Safe (option code I1). Contact an Emerson Process Management representative for additional information.
- (15) Requires PlantWeb housing and output code F.
- (16) Requires PlantWeb housing and output code A. Includes Hardware Adjustments as standard. Contact an Emerson Process Management representative regarding availability.
- (17) Requires Rosemount 3095 Engineering Assistant to configure.
- (18) Not available with process connection option code A11.
- (19) Not available with output code F or Housing code 01.

- (20) Valid when SuperModule Platform and housing have equivalent approvals.
- (21) Limited availability depending on transmitter type and range. Contact an Emerson Process Management representative for additional information.
- (22) Requires 316L SST wetted materials, glass-filled TFE O-ring (standard), and Process Connection code E12 or F12.
- (23) Not available with Housing code 01 or 7J.
- (24) Not available with output code F, Housing code 01, or option code DA1.
- (25) Requires 316L SST or Hastelloy C-276 diaphragm material, assemble to Rosemount 305 integral manifold or DIN-compliant traditional flange process connection, and bolting option L8. Limited to Pressure Range (Differential), ranges 2A 5A.
- (26) Not available with Housing code 01.
- (27) Not available with Housing code 00, 01, or 7J.
- (28) Available with output code A and PlantWeb housing only.
- (29) Not available with Housing code 00, 01, or 7J. Available with Intrinsically Safe approvals only. For FM Intrinsically Safe, Non-incendive approval (option code I5) or FM FISCO Intrinsically Safe approval (option code IE), install in accordance with Rosemount drawing 03151-1009 to maintain NEMA 4X rating.

Rosemount 3051S Series In-Line

00540	Transmitter Type		
3051S	Scalable pressure transmitter		
Code	Performance Class		
(1)	Ultra: 0.025% span accuracy, 200:1 rangedown, 10-year stability,	limited 12-year warranty	
	Classic: 0.055% span accuracy, 100:1 rangedown, 5-year stability	у	
Code	Device Type		
-	In-Line		
Code	Measurement Type		
G			
4	Gage Absolute		
Code	Pressure Range		
50ue	TG	ТА	
IA	-14.7 to 30 psi (-1,0 to 2,1 bar)	0 to 30 psia (2,1 bar)	
2A	-14.7 to 150 psi (-1,0 to 10,3 bar)	0 to 150 psia (10,3 bar)	
A	-14.7 to 800 psi (-1,0 to 55 bar)	0 to 800 psia (55 bar)	
IA	-14.7 to 4000 psi (-1,0 to 276 bar)	0 to 4000 psia (276 bar)	
5A	-14.7 to 10000 psi (-1,0 to 689 bar)	0 to 10000 psia (689 bar)	
Code	Isolating Diaphragm / Process Connection Material		
(2)	316L SST		
3(2)	Hastelloy C-276		
Code	Process Connection Style		
\11	Assemble to Rosemount 306 integral manifold		
311 ⁽³⁾	Assemble to one Rosemount 1199 diaphragm seal		
E11	¹ /2–14 NPT female		
=11	Non-threaded instrument-flange (I-flange) (Range 1-4 only)		
G11	G ¹ /2 A DIN 16288 male (Range 1-4 only)		
H11	Coned and threaded, compatible with autoclave type F-250-C (Ra	ange 54 only)	
	Output ⁽⁴⁾		
Code A			
Code 4 B ⁽⁵⁾	Output ⁽⁴⁾		
Code	Output ⁽⁴⁾ 4–20 mA with digital signal based on HART protocol		
Code A 3 ⁽⁵⁾ c ⁽⁶⁾	Output ⁽⁴⁾ 4–20 mA with digital signal based on HART protocol 4–20 mA Safety Certified with digital signal based on HART proto		Conduit Entry Size
Code A B ⁽⁵⁾	Output ⁽⁴⁾ 4–20 mA with digital signal based on HART protocol 4–20 mA Safety Certified with digital signal based on HART proto FOUNDATION fieldbus protocol Housing Style	ocol	Conduit Entry Size
Code A 3(5) c(6) Code	Output ⁽⁴⁾ 4–20 mA with digital signal based on HART protocol 4–20 mA Safety Certified with digital signal based on HART proto FOUNDATION fieldbus protocol Housing Style None (<i>SuperModule</i> Platform only, no housing included)	ocol	Conduit Entry Size
Code (5) (6) Code (0) (1)	Output ⁽⁴⁾ 4–20 mA with digital signal based on HART protocol 4–20 mA Safety Certified with digital signal based on HART proto FOUNDATION fieldbus protocol Housing Style	ocol	Conduit Entry Size
Code A A 3(5) c:(6) Code 00 01 ⁽⁸⁾ 1A A	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing	Materials ⁽⁷⁾	¹ /2–14 NPT
Code A 3 ⁽⁵⁾ c(6) Code 00 01 ⁽⁸⁾ IA	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator	ocol Materials ⁽⁷⁾ Aluminum	
Code A 3 ⁽⁵⁾ -(6) Code	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing	Materials ⁽⁷⁾ Aluminum Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20)
Code A 3(5) c(6) Code 00 01 ⁽⁸⁾ IA IB IC J	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing	Materials ⁽⁷⁾ Aluminum Aluminum Aluminum Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code A 3 ⁽⁵⁾ c ⁽⁶⁾ Code 00 01 ⁽⁸⁾ IA IB IC J IS IK	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing	Aluminum Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT
Code A B(5) c(6) Code 00 01 ⁽⁸⁾ IA IB IC	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20)
Code 3(5) c(6) Code 00 01 ⁽⁸⁾ IA IB IC IJ IK IL	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing	Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code (6) Code 00 01 ⁽⁸⁾ A B C J K L 2A 2B 2C	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing	Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/2
Code (6) Code 0 1 ⁽⁸⁾ A B C J K L C A B C C J K L C C J S A B C C S C C S S S S S S S S S S S S S	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing Junction Box housing Junction Box housing Junction Box housing	Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT
Code (6) Code 00 01 ⁽⁸⁾ A B C J K L 2A 2B 2C 2J 2E	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/2
Code (6) Code 0 11 ⁽⁸⁾ A B C J K L C A B C J K L C C C C C C C C C C C C C	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing with output for remote interface Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20)
Code (6) Code 0 11 ⁽⁸⁾ A B C J K L C A B C C J K L C C C C C C C C C C C C C	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing with output for remote interface Junction Box housing with output for remote interface Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum Aluminum Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code (6) Code 00 01 ⁽⁸⁾ 1A 1B 1C 1J 1K 1L 2A 2B 2C 2J 2E 2F 2G 2M	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing Junction Box housing Junction Box housing Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20)
Code (6) Code (6) Code (7) Code (8) A B C J K L 2A 2B 2C 2J 2E 2C 2G 2M (9)	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing Junction Box housing Junction Box housing Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum Aluminum Aluminum	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code (6) Code 00 (1 ⁽⁸⁾ A B C J K L C J K L C S C C S C C S C C C C C C C C C C C C C	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code (3(5) (6) Code (1) Code (1) Code (1) Code (1) Code (2) Code (2) Code (2) Code (3) Code (3) Code (4) Code (5) Code Code (5) Code (5) Code (5) Code (5) Code (5) Code	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing Junction Box housing Junction Box housing Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2
Code A 3(5) (6) Code 00 01 ⁽⁸⁾ A B C C C C C C C C C C C C C	Output ⁽⁴⁾ 4-20 mA with digital signal based on HART protocol 4-20 mA Safety Certified with digital signal based on HART protocol FOUNDATION fieldbus protocol Housing Style None (SuperModule Platform only, no housing included) Assemble to Rosemount 753R Web-Based Monitoring Indicator PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing PlantWeb housing Junction Box housing Junction Box housing Junction Box housing with output for remote interface Junction Box housing with output for remote interface	Aluminum Aluminum Aluminum Aluminum 316L SST 316L SST 316L SST Aluminum Aluminum Aluminum 316L SST Aluminum Aluminum 316L SST Aluminum Aluminum Aluminum 316L SST	¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2 ¹ /2–14 NPT M20 x 1.5 (CM20) G 1/ 2 ¹ /2–14 NPT ¹ /2–14 NPT ¹ /2–14 NPT M20 x 1.5 (CM20) G ¹ /2

Product Data Sheet

00813-0100-4801, Rev GA Catalog 2006-2007

Rosemount 3051S Series

Fully Compensated Mass Flow Block
Bracket
Bracket, all SST, 2-in. pipe and panel onfiguration (Software) ⁽¹³⁾
• • •
Custom software configuration Note: A Configuration Data Sheet must be completed, see page Pressure-43.
NAMUR alarm and saturation values, high alarm
NAMUR alarm and saturation values, low alarm
,
Custom alarm and saturation signal levels, high alarm Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see page Pressure-43.
Custom alarm and saturation signal levels, low alarm Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see page Pressure-43.
Low alarm (Standard Rosemount alarm and saturation signal levels)
bonfiguration (Hardware)
Hardware adjustments (zero, span, alarm, security)
Note: Not available with Housing Style codes 00, 01, 2E, 2F, 2G, 2M, or 7J.
External ground screw assembly
ertifications ⁽¹⁴⁾
ATEX Flameproof
ATEX Intrinsically Safe
ATEX FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
ATEX Type n
ATEX Figure 1 ATEX Flameproof, Intrinsically Safe, Type n, Dust (combination of E1, I1, N1, and ND)
ATEX Traineproof, intrinsically Sale, Type II, Dust (combination of ET, IT, NT, and ND)
JIS Flameproof
FM Explosion-proof FM Intrinsically Safe, Non-incendive
FM FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
FM Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5 and I5)
CSA Explosion-proof, Division 2
CSA Intrinsically Safe
CSA FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E6 and I6)
Measurement Canada Accuracy Approval
SAA Flameproof, Dust Ignition-proof
IECEx Intrinsically Safe
IECEx FISCO Intrinsically Safe
IECEx Type n
SAA Flameproof, Dust Ignition-proof, IECEx Intrinsically Safe, and Type n (combination of E7, I7, and N7)
ATEX and CSA Flameproof, Intrinsically Safe (combination of E1, I1, E6, and I6) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M. FM and CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E5, E6, I5, and I6)
Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
FM and ATEX Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5, E1, I5, and I1) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
FM, CSA, and ATEX Explosion-proof, Intrinsically Safe (combination of E5, I5, E6, I6, E1, and I1) Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
NSF Drinking Water Approval
Naterials of Construction
Inert sensor fill fluid Note: Silicone fill fluid is standard.
play ⁽¹⁷⁾
PlantWeb LCD Display
Remote mount LCD display and interface, no cable; <i>PlantWeb</i> housing, SST bracket, requires 4-20 mA / HART output Note: Use Belden 3084A cable or equivalent. Contact an Emerson Process Management representative for additional information
Note. Use Benden 5004A cable of equivalent. Contact an Emerson Process Management representative for additional mornation

Rosemount 3051S Series

Special Procedures

P1	Hydrostatic testing with certificate
P2 ⁽¹⁹⁾	Cleaning for special services
P3 ⁽¹⁹⁾	Cleaning for less than 1 PPM chlorine/fluorine
Special Ce	rtifications
Q4	Calibration certificate
QP	Calibration certificate and tamper evident seal
Q8	Material traceability certification per EN 10204 3.1.B
QS ⁽²⁰⁾	Certificate of FMEDA Data
Q16	Surface finish certification for sanitary remote seals
Terminal B	locks
T1 ⁽²¹⁾	Transient terminal block
T2 ⁽²²⁾	Terminal block with WAGO [®] spring clamp terminals
T3 ⁽²²⁾	Transient terminal block with WAGO spring clamp terminals
	ectrical Connector
GE ⁽²³⁾	M12, 4-pin, Male Connector (<i>eurofast</i> ®)

GM⁽²³⁾ A size Mini, 4-pin, Male Connector (*minifast*[®])

Typical Model Number: 3051S1TG 2A 2 E11 A 1A DA1 B4 M5

- (1) Not available with output code B.
- (2) Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.
- (3) Contact a Rosemount representative for performance specifications.
- (4) For spare SuperModule Platforms, select output code A.
- (5) Requires PlantWeb housing and Hardware Adjustments option code D1. For the 3051S SIS Safety Transmitter, rangedown is limited to 10:1.
- (6) Requires PlantWeb housing.
- (7) Material specified is cast as follows: CF-3M is the cast version of 316L SST. For housing, material is aluminum with polyurethane paint.
- (8) Available with output code A only. Not available with approvals. See Rosemount 753R Product Data Sheet, 00813-0100-4379, to specify Web-Based Monitoring Indicator. Does not integrate into plant host systems.
- (9) Available with output code A only. Available approvals are FM Intrinsically Safe, Non-incendive (option code 15) or ATEX Intrinsically Safe (option code 11). Contact an Emerson Process Management representative for additional information.
- (10) Requires PlantWeb housing and output code F.
- (11) Requires PlantWeb housing and output code A. Includes Hardware Adjustments as standard. Contact an Emerson Process Management representative regarding availability.
- (12) Requires Rosemount 3095 Engineering Assistant to configure.
- (13) Not available with output code F or Housing code 01.
- (14) Valid when SuperModule Platform and housing have equivalent approvals.
- (15) Limited availability depending on transmitter type and range. Contact an Emerson Process Management representative for additional information.
- (16) Requires 316L SST wetted materials and Process Connection code E11 or G11.
- (17) Not available with Housing code 01 and 7J.
- (18) Not available with output code F, Housing code 01, or option code DA1.
- (19) Not available with process connection option code A11.
- (20) Not available with Housing code 01.
- (21) Not available with Housing code 00, 01, or 7J.
- (22) Available with output code A and PlantWeb housing only.
- (23) Not available with Housing code 00, 01, or 7J. Available with Intrinsically Safe approvals only. For FM Intrinsically Safe, Non-incendive approval (option code I5) or FM FISCO Intrinsically Safe approval (option code IE), install in accordance with Rosemount drawing 03151-1009 to maintain NEMA 4X rating.

Rosemount 3051S Series Liquid Level

Select either FF diaphragm seal type (see "Flush Flanged Seal" on page 36) or for EF diaphragm seal type (see "Extended Flanged Seal" on page 37) and then finish this selection by choosing transmitter options.

Model	Transmitter Type		
3051S	Scalable pressure transmitter		
Code	Performance Class		
1(1)	Ultra: 0.065% span accuracy, 100:1 rangedown, limit	ted 12-year warranty	
2	Classic: 0.065% span accuracy, 100:1 rangedown		
Code	Connection Type		
	Level		
Code	Measurement Type		
D	Differential		
G	Gage		
A	Absolute		
Code	Pressure Range		
Coue			
	Differential (LD)	Gage (LG)	Absolute (LA)
1A	-25 to 25 inH ₂ O (-62,2 to 62,2 mbar)	-25 to 25 inH ₂ O (-62,2 to 62,2 mbar)	0 to 30 psia (2,1 bar)
2A	$-250 \text{ to } 250 \text{ inH}_2\text{O} (-623 \text{ to } 623 \text{ mbar})$	$-250 \text{ to } 250 \text{ inH}_2\text{O} (-623 \text{ to } 623 \text{ mbar})$	0 to 150 psia (10 bar)
3A	-1000 to 1000 in H_2O (-2,5 to 2,5 bar)	-393 to 1000 inH ₂ O (-0,98 to 2,5 bar)	0 to 800 psia (55 bar)
4A 5A	-300 to 300 psi (-20,7 to 20,7 bar)	-14.2 to 300 psig (-0,98 to 21 bar)	0 to 4000 psia (276 bar) N/A
	-2000 to 2000 psi (-137,9 to 137,9 bar)	-14.2 to 2000 psig (-0,98 to 137,9 bar)	IN/ <i>F</i> A
Code	Output ⁽²⁾		
A	4-20 mA with digital signal based on HART protocol		
B ⁽³⁾ F ⁽⁴⁾	4-20 mA Safety Certified with digital signal based on	HARI protocol	
	FOUNDATION fieldbus protocol	(5)	
Code	Housing Style	Material ⁽⁵⁾	Conduit Entry
00	None (SuperModule Platform only, no housing includ		
01 ⁽⁶⁾	Assemble to Rosemount 753R Web-Based Monitorin	ng Indicator	4
1A	PlantWeb housing	Aluminum	¹ /2–14 NPT
1B	PlantWeb housing	Aluminum	M20 x 1.5 (CM20)
1C	PlantWeb housing	Aluminum	G ¹ /2
1J	PlantWeb housing	316L SST	¹ /2–14 NPT
1K	PlantWeb housing	316L SST	M20 x 1.5 (CM20)
1L	PlantWeb housing	316L SST	G ¹ /2
2A	Junction Box housing	Aluminum	¹ /2–14 NPT
2B	Junction Box housing	Aluminum	M20 x 1.5 (CM20)
2C	Junction Box housing	Aluminum	G ¹ /2
2J	Junction Box housing	316L SST	¹ /2–14 NPT
2E	Junction Box with output for remote interface	Aluminum	¹ /2–14 NPT
2F	Junction Box with output for remote interface	Aluminum	M20 x 1.5 (CM20) G ¹ /2
2G 2M	Junction Box with output for remote interface	Aluminum 316L SST	¹ /2–14 NPT
² 101 7J ⁽⁷⁾	Junction Box with output for remote interface Quick Connect (A size Mini, 4-pin male termination)	316L SST	/2-14 INF 1
		3102 331	
Code	Seal System Type		
1	Direct-mount diaphragm seal system		
Code	High Pressure Side Extension (between transmit	ter flange and seal)	
0	Direct-mount (No extension)		
Code	Low Pressure Side Connection (sensor module)		
1	One capillary connection remote diaphragm seal (se	e Rosemount 1199 ordering table for sea	l information)
2	316L SST isolator / 316 SST transmitter flange		,
3	Hastelloy C-276 isolator / 316 SST transmitter flange		
Code	Capillary Length		
0	N/A		
Code	Diaphragm Seal Fill Fluid		
-			
4	Syltherm XLT		
	D. C. Silicone 704 D. C. Silicone 200		
D	Inart (Halagarban)		
D H	Inert (Halocarbon)		
D H G	Glycerine and Water		
C D H G N P			

Seal Options (page Pressure-36—37)

Flush Flanged Seal

Code	Process Connection Style	
FF	Flush Flanged, Ra 125-250 gasket surf	ace
Code	Diaphragm Seal Size (High Side)	
G	2-in./DN 50	
7	3-in.	
J	DN 80	
9	4-in./DN 100	
Code	Flange Rating (High Side)	
1	Class 150	
2	Class 300	
4	Class 600	
G	PN 40	
E	PN 10/16; available with 4 in. DN 100 o	•
Code	Isolator Material Fla	ange Material (High Side)
CA	316L SST CS	6
DA	316L SST 31	6 SST
CB	Hastelloy CS	
DB		6 SST
CC	Tantalum - seam welded ^{(8) (8)} CS	
DC		6 SST
Code	Lower Housing Material (High Side) ^{(!}	9)
0	None	
A	316 SST	
В	Hastelloy	
Code	Flushing Connection Quantity and S	ize (Lower Housing, High Side)
0	None	
1	1 (¹ /4-in.)	
3	2 (¹ /4-in.)	
7	1 (¹ /2-in.)	
9	2 (¹ /2-in.)	
Code	Seal Options: Gaskets	
SJ	<i>Teflon[®]</i> (PTFE) gasket for lower housin	g
SK	Gylon gasket for lower housing	
SN	<i>Grafoil</i> [™] gasket for lower housing	
Code	Other Options	
ST ⁽¹⁰⁾	Materials per NACE MR0175	
	Continue	with transmitter options on page Pressure-37

(1) Not available with output code B.

(2) For spare SuperModule Platforms, select output code A.

(3) Requires PlantWeb housing and Hardware Adjustments option code D1. For the 3051S SIS Safety Transmitter, rangedown is limited to 10:1.

(4) Requires PlantWeb housing.

(5) Material specified is cast as follows: CF-3M is the cast version of 316L SST. For housing, material is aluminum with polyurethane paint.

(6) Available with output code A only. Not available with approvals. See Rosemount 753R Product Data Sheet, 00813-0100-4379, to specify Web-Based Monitoring Indicator. Does not integrate into plant host systems.

(7) Available with output code A only. Available approvals are FM Intrinsically Safe, Non-incendive (option code 15) or ATEX Intrinsically Safe (option code 11). Contact an Emerson Process Management representative for additional information.

(8) Not recommended for use with spiral wound metallic gaskets (see 1199 product data sheet, document 00813-0100-4016 for additional options).

(9) Standard gasket for lower housing consists of non-asbestos fiber.

(10) Materials of Construction comply with metallurgical requirements highlighted within NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult latest standard for details. Selected materials also conform to NACE MR0103 for sour refining environments.

Product Data Sheet

00813-0100-4801, Rev GA Catalog 2006-2007

Extended Flanged Seal

LAGHU	eu Flangeu Seal	
Code	Process Connection Style	
EF	Extended flanged, Ra 125-250 gasket surface	
Code	Diaphragm Seal Size (High Side)	
7	3-in./DN 80, 2.58-in. diaphragm	
9	4-in./DN 100, 3.5-in. diaphragm	
Code	Flange Rating (High Side)	
1	Class 150	
2	Class 300	
4	Class 600	
G	PN 40	
E	PN 10/16; available with 4 in. DN 100 only	
Code	Isolator Material and Extension Material	Flange Material (High Side)
CA	316L SST	CS
DA	316L SST	316 SST
СВ	Hastelloy	CS
DB	Hastelloy	316 SST
Code	Extension Length (High Side, 1st Position)	
2	2-in./50 mm	
4	4-in./100 mm	
6	6-in./150 mm	
Code	Extension Length (High Side, 2nd Position)	
0	0-in./0 mm	
	Continue	with transmitter options below
Transı	mitter Options continued from p	bage Pressure-35
	t Applicable • = Applicable)	ge e e e e e e e e e e e e e e e e e e
Code	Options	
PlantWe	b Control Functionality	
A01 ⁽¹⁾	FOUNDATION fieldbus Advanced Control Function	n Block Suite
PlantWe	b Diagnostic Functionality	
D01 ⁽¹⁾	FOUNDATION fieldbus Diagnostics Suite	
DA4(2)	LIADT Disconception Cuite	

DA1⁽²⁾ HART Diagnostics Suite PlantWeb Enhanced Measurement Functionality

H01⁽¹⁾⁽³⁾ Fully Compensated Mass Flow Block

Special Configuration (Software)

C1⁽⁴⁾ Custom software configuration

Note: A Configuration Data Sheet must be completed, see page Pressure-43.

C3 Gage pressure calibration on Rosemount 3051S LA only

C4⁽⁴⁾ NAMUR alarm and saturation levels, high alarm C5⁽⁴⁾

NAMUR alarm and saturation levels, low alarm $C6^{(4)(5)}$ Custom alarm and saturation signal levels, high alarm

Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see page Pressure-43. C7⁽⁴⁾⁽⁵⁾ Custom alarm and saturation signal levels, low alarm Note: Requires option code C1, custom software configuration. A Configuration Data Sheet must be completed, see

page Pressure-43.

C8⁽⁴⁾ Low alarm (standard Rosemount alarm and saturation levels)

Special Configuration (hardware)

D1	Hardware adjustments (zero, span, alarm, security) Note: Not available with fieldbus protocol or Housing Style codes 00, 01, 2E, 2F, 2G, 2M, or 7J.	•	•	•
D2	1/2-14 NPT process connections process adapters	•	—	_
D4	External ground screw assembly	•	•	•
D5	Delete transmitter drain/vent valves (install plugs)	•	—	_
D8	Ceramic drain/vent valves	•	—	—
D9	RC ¹ /2 process connections (process adapters)	•	—	_
Product	Certifications ⁽⁶⁾			
E1	ATEX Flameproof			

11 ATEX Intrinsically Safe

IA ATEX FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only LD LG LA

N1	ATEX Type n
K1	ATEX Flameproof, Intrinsically Safe, Type n, Dust (combination of E1, I1, N1, and ND)
ND	ATEX Dust
E4	JIS Flameproof
E5	FM Explosion-proof
15	FM Intrinsically Safe, Non-incendive
IE	FM FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
K5	FM Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5 and I5)
E6	CSA Explosion-proof, Division 2
16	CSA Intrinsically Safe
IF	CSA FISCO Intrinsically Safe; for FOUNDATION fieldbus protocol only
K6	CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E6 and I6)
D3 ⁽⁷⁾⁽⁸⁾	Measurement Canada Accuracy Approval
E7	SAA Flameproof, Dust Ignition-proof
17	IECEx Intrinsically Safe
IG	IECEx FISCO Intrinsically Safe
N7	IECEx Type n
K7	SAA Flameproof, Dust Ignition-proof, IECEx Intrinsically Safe, and Type n (combination of E7, I7, and N7)
KA	ATEX and CSA Flameproof, Intrinsically Safe (combination of E1, I1, E6, and I6)
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
KB	FM and CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E5, E6, I5, and I6)
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
KC	FM and ATEX Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5, E1, I5, and I1)
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
KD	FM, CSA, and ATEX Explosion-proof, Intrinsically Safe (combination of E5, I5, E6, I6, E1, and I1)
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.
Alternate	Materials of Construction
L1	Inert sensor fill fluid (differential and gage only)
	Note: Silicone fill fluid is standard.
L2	Graphite-filled TFE o-ring
L4	Austenitic 316 SST bolts
L5	ASTM A 193, Grade B7M bolts
L6	Monel bolts
L7	ASTM A 453, Class A, Grade 660 bolts
L8	ASTM A 193, Class 2, Grade B8M bolts
Digital D	
M5	PlantWeb LCD Display
M7 ⁽⁵⁾⁽¹⁰⁾	Remote mount LCD display and interface, no cable; <i>PlantWeb</i> housing, SST bracket, requires 4-20 mA / HART output
	Note: Use Belden 3084A cable or equivalent. Contact an Emerson Process Management representative for additional information.
M8 ⁽⁵⁾⁽¹⁰⁾	
M9 ⁽⁵⁾⁽¹⁰⁾	Remote mount LCD display and interface, 50 ft. (15 m) cable; <i>PlantWeb</i> housing, SST bracket, requires 4-20 mA / HART output
	Remote mount LCD display and interface, 100 ft. (31 m) cable; <i>PlantWeb</i> housing, SST bracket, requires 4-20 mA / HART output Procedures
-	
P1	Hydrostatic testing with certificate
P2	Cleaning for special services
P3	Cleaning for less than 1PPM chlorine/fluorine
-	Certifications
Q4	Calibration certificate
QP	Calibration certificate and tamper evident seal
Q8	Material traceability certification per EN 10204 3.1.B
QS ⁽¹¹⁾	Certificate of FMEDA Data
Terminal	
$T1^{(12)}$	Transient terminal block
$T2^{(13)}_{(12)}$	Terminal block with WAGO [®] spring clamp terminals
T3 ⁽¹³⁾	Transient terminal block with WAGO spring clamp terminals
	Electrical Connector
GE ⁽¹⁴⁾	M12, 4-pin, Male Connector (<i>eurofast[®]</i>)
GM ⁽¹⁴⁾	A size Mini, 4-pin, Male Connector (<i>minifast</i> ®)
Typical N	Nodel Number for FF seal: 3051S2LD 2A A 1A 1 0 2 0 D FF 7 1 DA 0 0
	/lodel Number for EF seal: 3051S2LD 2A A 1A 1 0 2 0 D EF 7 1 DA 2 0
Typical I	
(1) Real	uires PlantWeb housing and output code E

(1) Requires PlantWeb housing and output code F.

(2) Requires PlantWeb housing and output code A. Includes Hardware Adjustments as standard. Contact an Emerson Process Management representative regarding availability.

- (3) Requires Rosemount 3095 Engineering Assistant to configure.
- (4) Not available with output code F or Housing code 01.
- (5) Not available with output code B.
- (6) Valid when SuperModule Platform and housing have equivalent approvals.
- (7) Requires PlantWeb Housing and Hardware Adjustments option code D1.
- (8) Limited availability depending on transmitter type and range. Contact a sales representative for additional information.
- (9) Not available with Housing Code 01 or 7J.
- (10) Not available with output code F, Housing code 01, or option code DA1.
- (11) Not available with Housing Code 01.
- (12) Not available with Housing code 00, 01, or 7J.
- (13) Available with output code A and PlantWeb housing only.
- (14) Not available with Housing code 00, 01, or 7J. Available with Intrinsically Safe approvals only. For FM Intrinsically Safe, Non-incendive approval (option code I5) or FM FISCO Intrinsically Safe approval (option code IE), install in accordance with Rosemount drawing 03151-1009 to maintain NEMA 4X rating.

Rosemount 300S Series Housing "Kit"

300S	Housing "Kit" for Rosemount 3051S Scalable Pressure T	Material ⁽¹⁾	
Code	Housing Style		Conduit Entry
IA	PlantWeb housing	Aluminum	¹ /2–14 NPT
1B	PlantWeb housing	Aluminum	M20 x 1.5 (CM20)
IC	PlantWeb housing	Aluminum	G ¹ /2
1J	PlantWeb housing	316L SST	¹ /2–14 NPT
1K	PlantWeb housing	316L SST	M20 x 1.5 (CM20)
1L	Plantweb housing	316L SST	G ¹ /2
2A	Junction Box housing	Aluminum	¹ /2–14 NPT
2B	Junction Box housing	Aluminum	M20 x 1.5 (CM20)
2C	Junction Box housing	Aluminum	G ¹ /2
2J	Junction Box housing	316L SST	¹ /2–14 NPT
2E	Junction Box housing with output for remote interface	Aluminum	¹ /2–14 NPT
2F	Junction Box housing with output for remote interface	Aluminum	M20 x 1.5 (CM20)
2G	Junction Box housing with output for remote interface	Aluminum	G ¹ /2
2M	Junction Box housing with output for remote interface	316L SST	¹ /2–14 NPT
3A	Remote mount display and interface housing	Aluminum	¹ /2–14 NPT
3B	Remote mount display and interface housing	Aluminum	M20 x 1.5 (CM20)
3C	Remote mount display and interface housing	Aluminum	G ¹ /2
3J	Remote mount display and interface housing	316L SST	¹ /2–14 NPT
7J ⁽²⁾	Quick Connect (A size Mini, 4-pin male termination)	316L SST	
Code	Output		
4	4-20 mA with digital signal based on HART protocol		
3 ⁽³⁾	4-20 mA Safety Certified with digital signal based on HAF	RT protocol	
=(4)	FOUNDATION fieldbus protocol		
Code	Options		
PlantWe	b Control Functionality		
A01 ⁽⁵⁾	FOUNDATION fieldbus Advanced Control Function Block S	uite	
	b Diagnostic Functionality	uno	
D01 ⁽⁵⁾	FOUNDATION fieldbus Diagnostics Suite		
DA1 ⁽⁶⁾	HART Diagnostics Suite		
	b Enhanced Measurement Functionality		
H01 ⁽⁵⁾⁽⁷⁾			
	Configuration (Hardware)		
D1 ⁽⁸⁾	Hardware adjustments (zero, span, alarm, security)		
51	Note: Not available with Housing Style codes 2E, 2F, 2G,	2M. 3A. 3B. 3C. 3J. or 7J.	
D4	External ground screw assembly		
	Certifications		
E1	ATEX Flameproof		
1	ATEX Intrinsically Safe		
A	ATEX FISCO Intrinsically Safe; for FOUNDATION fieldbus	protocol only	
v1	ATEX Type n	,	
x 1	ATEX Flameproof, Intrinsically Safe, Type n, Dust (combi	nation of E1, I1 N1 and NI	
ND	ATEX Dust		-,
E4	JIS Flameproof		
- - E5	FM Explosion-proof		
5	FM Intrinsically Safe, Non-incendive		
E	FM FISCO Intrinsically Safe; for FOUNDATION fieldbus pro	tocol only	
L (5	FM Explosion-proof, Intrinsically Safe, Non-incendive (co		
E6	CSA Explosion-proof, Division 2		
6	CSA Explosion-proof, Division 2		
F	CSA FISCO Intrinsically Safe; for FOUNDATION fieldbus pr	rotocol only	
		-	
<6 =7	CSA Explosion-proof, Intrinsically Safe, Division 2 (comb	ination of E0 and 10)	
E7	SAA Flameproof, Dust Ignition-proof IECEx Intrinsically Safe		
	IFVEX INTINSICALLY SATE		
7 G	IECEx FISCO Intrinsically Safe		

K7	SAA Flameproof, Dust Ignition-proof, IECEx Intrinsically Safe, and Type n (combination of E7, I7, and N7)			
KA	ATEX and CSA Flameproof, Intrinsically Safe (combination of E1, I1, E6, and I6)			
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.			
KB	FM and CSA Explosion-proof, Intrinsically Safe, Division 2 (combination of E5, E6, I5, and I6)			
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.			
KC	FM and ATEX Explosion-proof, Intrinsically Safe, Non-incendive (combination of E5, E1, I5, and I1)			
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.			
KD	FM, CSA, and ATEX Explosion-proof, Intrinsically Safe (combination of E5, I5, E6, I6, E1, and I1)			
	Note: Only available on Housing Style codes 00, IA, IJ, 2A, 2J, 2E, or 2M.			
Digital Display ⁽⁹⁾				
M5	PlantWeb LCD Display			
M7 ⁽¹⁰⁾	Remote mount LCD display and interface, no cable; PlantWeb housing, SST bracket, requires 4-20 mA / HART output			
(10)	Note: Use Belden 3084A cable or equivalent. Contact an Emerson Process Management representative for additional information.			
M8 ⁽¹⁰⁾	Remote mount LCD display and interface, 50 ft. (15 m) cable; SST bracket, requires 4-20 mA / HART output			
M9 ⁽¹⁰⁾	Remote mount LCD display and interface, 100 ft. (31 m) cable; SST bracket, requires 4-20 mA / HART output			
Terminal Blocks				
T1 ⁽¹¹⁾	Transient terminal block			
T2 ⁽¹²⁾	Terminal block with WAGO [®] spring clamp terminals			
T3 ⁽¹²⁾	Transient terminal block with WAGO spring clamp terminals			
Conduit Electrical Connector				
GE ⁽¹³⁾	M12, 4-pin, Male Connector (<i>eurofast</i> ®)			
GM ⁽¹³⁾	A size Mini, 4-pin, Male Connector (<i>minifast</i> ®)			
Typical I	Model Number: 300S 1A A E5			

(1) Material specified is cast as follows: CF-3M is the cast version of 316L SST. For housing, material is aluminum with polyurethane paint.

(2) Available with output code A only. Not available with approvals. Contact an Emerson Process Management representative for additional information.

(3) Requires PlantWeb housing and Hardware Adjustment option code D1.

(4) Requires PlantWeb housing.

(5) Requires PlantWeb housing and output code F.

(6) Requires PlantWeb housing and output code A. Includes Hardware Adjustments as standard. Contact an Emerson Process Management representative regarding availability.

(7) Requires Rosemount 3095 Engineering Assistant to configure.

(8) Not available with output code F.

(9) Not available with Housing code 7J.

(10) Not available with output code B, output code F, or option code DA1. Only available on Housing Style codes 3A, 3B, 3C, or 3J.

(11) Not available with Housing code 3A, 3B, 3C, 3J, or 7J.

(12) Available with output code A and PlantWeb housing only.

(13) Not available with Housing code 00, 01, or 7J. Available with Intrinsically Safe approvals only. For FM Intrinsically Safe, Non-incendive approval (option code I5) or FM FISCO Intrinsically Safe approval (option code IE), install in accordance with Rosemount drawing 03151-1009 to maintain NEMA 4X rating.

ACCESSORIES

Rosemount 3095 Engineering Assistant (EA) Software Packages

The Rosemount 3095 Engineering Assistant software supports mass flow configuration for FOUNDATION fieldbus. The package is available with or without modem and connecting cables. All configurations are packaged separately.

For best performance of the EA Software, the following computer hardware and software is recommended:

- · Pentium, 800MHz personal computer or above
- 512 MB RAM
- · 350 MB of available hard disk space
- · Mouse or other pointing device
- Color computer display
- Microsoft[®] Windows[™] 2000 or XP

3095 Engineering Assistant Software Packages

Code	Product Description
EA	Engineering Assistant Software program
Code	Diskette Type
2 ⁽¹⁾	EA Software Rev. 5, CD-ROM
Code	Language
Е	English
Code	Modem and Connecting Cables
0	None
С	FOUNDATION fieldbus PCM-CIA Interface Card and Cables
Code	Operating Software
Ν	EA Rev. 5
Code	License
1	Single PC license
2	Site license
Typical	Model Number: EA 2 E O N 1

(1) EA-FOUNDATION fieldbus supports Windows 2000 and XP.

Accessories

 Item Description
 I

 FOUNDATION fieldbus PCM-CIA Interface Card
 0

 and Cables Only
 0

Part Number 03095-5108-0001