Optimizing lead time

The starred offerings (★) represent the most common options and should be selected for best delivery. The non-starred offerings are subject to additional delivery lead time.

Required model components

Model

Code	Description	
3051L	Level transmitter	★

Pressure range

Code	Description	
2	−250 to 250 inH$_2$O (−621.60 to 621.60 mbar)	★
3	−1000 to 1000 inH$_2$O (−2.48 to 2.48 bar)	★
4	−300 to 300 psi (−20.68 to 20.68 bar)	★

Transmitter output

Code	Description	
A[1]	4–20 mA with digital signal based on HART® Protocol	★
F	FOUNDATION™ Fieldbus Protocol	★
W[2]	PROFIBUS® PA Protocol	★
X[3]	Wireless (requires wireless options and engineered polymer housing)	★
M[4]	Low-power, 1–5 Vdc with digital signal based on HART Protocol	

(1) *HART Revision 5 is the default HART output.*
(2) *For local addressing and configuration, M4 (LOI) is required. Not available with product certification codes E4, EM, EP, I6, IM, KD, KL, KM, KP, KS, N3.*
(3) *This option is only available with intrinsically safe approvals.*
(4) *Only available with C6, E2, E5, I5, K5, KB, EM , EP, and E8 product certifications.*

Process connection size, material, extension length (high side)

Code	Process connection size	Material	Extension length	
G0[1]	2-in./DN 50/A	316L SST	Flush mount only	★
H0[1]	2-in./DN 50	Alloy C-276	Flush mount only	★
J0	2-in./DN 50	Tantalum	Flush mount only	★
A0[1]	3-in./DN 80	316L SST	Flush mount	★
A2[1]	3-in./DN 80	316L SST	2-in./50 mm	★
A4[1]	3-in./DN 80	316L SST	4-in./100 mm	★
A6[1]	3-in./DN 80	316L SST	6-in./150 mm	★
B0[1]	4-in./DN 100	316L SST	Flush mount	★
B2[1]	4-in./DN 100	316L SST	2-in./50 mm	★
B4[1]	4-in./DN 100	316L SST	4-in./100 mm	★
B6[1]	4-in./DN 100	316L SST	6-in./150 mm	★
C0[1]	3-in./DN 80	Alloy C-276	Flush mount	★
C2[1]	3-in./DN 80	Alloy C-276	2-in./50 mm	★
C4[1]	3-in./DN 80	Alloy C-276	4-in./100 mm	★
C6[1]	3-in./DN 80	Alloy C-276	6-in./150 mm	★
D0[1]	4-in./DN 100	Alloy C-276	Flush mount	★
D2[1]	4-in./DN 100	Alloy C-276	2-in./50 mm	★
D4[1]	4-in./DN 100	Alloy C-276	4-in./100 mm	★
D6[1]	4-in./DN 100	Alloy C-276	6-in./150 mm	★
E0	3-in./DN 80	Tantalum	Flush mount only	★
F0	4-in./DN 100	Tantalum	Flush mount only	★

(1) *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.*

Mounting flange size, rating, material (high side)

Code	Size	Rating	Material	
M	2-in.	ASME B16.5 Class 150	CS	★
A	3-in.		CS	★
B	4-in.		CS	★
N	2-in.	ASME B16.5 Class 300	CS	★
C	3.in.		CS	★
D	4-in.		CS	★
P	2-in.	ASME B16.5 Class 600	CS	★
E	3-in.		CS	★
X[1]	2-in.	ASME B16.5 Class 150	316 SST	★
F[1]	3-in.		316 SST	★
G[1]	4-in.		316 SST	★
Y[1]	2-in.	ASME B16.5 Class 300	316 SST	★
H[1]	3-in.		316 SST	★
J[1]	4-in.		316 SST	★
Z[1]	2-in.	ASME B16.5 Class 600	316 SST	★
L[1]	3-in.		316 SST	★
Q	DN 50	PN 10-40 per EN 1092-1	CS	★
R	DN 80	PN 40 per EN 1092-1	CS	★
S	DN 100		CS	★
V	DN 100	PN 10/16 per EN 1092-1	CS	★
K[1]	DN 50	PN 10-40 per EN 1092-1	316 SST	★
T[1]	DN 80	PN 40 per EN 1092-1	316 SST	★
U[1]	DN 100		316 SST	★
W[1]	DN 100	PN 10/16 per EN 1092-1	316 SST	★
7[1]	4-in.	ASME B16.5 Class 600	316 SST	★
1	N/A	10K per JIS B2238	316 SST	
2	N/A	20K per JIS B2238	CS	
3	N/A	40K per JIS B2238	CS	
4[1]	N/A	10K per JIS B2238	CS	
5[1]	N/A	20K per JIS B2238	316 SST	
6[1]	N/A	40K per JIS B2238	316 SST	

(1)   *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.*

Seal fill fluid

Code	Description	Specific gravity	Temperature limits (ambient temperature of 70° F [21° C])	
D	Silicone 200	0.93	−49 to 401 °F (−45 to 205 °C)	★
F	Silicone 200 for vacuum applications	0.93	For use in vacuum applications below 14.7 psia (1 bar-a), refer to vapor pressure curves in Rosemount DP Level Fill Fluid Specification Technical Note.	★
L	Dow Corning® 704 diffusion pump fluid	1.07	32 to 401 °F (0 to 205 °C)	★
C	D.C. Silicone 704 for vacuum applications	1.07	For use in vacuum applications below 14.7 psia (1 bar-a), refer to vapor pressure curves in Rosemount DP Level Fill Fluid Specification Technical Note.	★
A	SYLTHERM™ XLT	0.85	−102 to 293 °F (−75 to 145 °C)	★
H	Inert (halocarbon)	1.85	−49 to 320 °F (−45 to 160 °C)	★
G	Glycerin and water	1.13	5 to 203 °F (−15 to 95 °C)	★
N	Neobee® M-20	0.92	5 to 401 °F (−15 to 205 °C)	★
P	Propylene glycol and water	1.02	5 to 203 °F (−15 to 95 °C)	★

Low pressure side

Code	Configuration	Flange adapter	Diaphragm material	Sensor fluid	
11[1]	Gage	SST	316L SST	Silicone	★
21	Differential	SST	316 SST	Silicone	★
22[1]	Differential	SST	Alloy C-276	Silicone	★
2A[2]	Differential	SST	316 SST	Inert (halocarbon)	★
2B[1][2]	Differential	SST	Alloy C-276	Inert (halocarbon)	★
31[1]	Tuned-system assembly with remote seal	None	316 SST	Silicone (requires option code S1)	★

(1)   *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.*
(2)   *Not available with wireless output code X.*

O-ring

Code	Description	
A	Glass-filled PTFE	★

Housing material

Code	Material	Conduit entry size	
A	Aluminum	½–14 NPT	★
B	Aluminum	M20 x 1.5	★

Code	Material	Conduit entry size	
E	Aluminum, ultra low copper	½–14 NPT	
F	Aluminum, ultra low copper	M20 x 1.5	
J	SST	½–14 NPT	★
K	SST	M20 x 1.5	★
P[(1)]	Engineered polymer	No conduit entries	★
D[(2)]	Aluminum	G½	
M[(2)]	SST	G½	

(1) *Only available with wireless output code X.*
(2) *Transmitter conduit entry will be ½ NPT and a ½ NPT to G½ thread adapter will be provided. Only available with product certifications options I1, I2, I3, I7, IA, IB, IM, KA, N1, N3, N7. Housing code D is also available with E4, and IG*

Wireless options

Requires wireless output code X and Engineered Polymer Housing code P.

Wireless transmit rate, operating frequency, and protocol

Code	Description	
WA3	User configurable transmit rate, 2.4 GHz *Wireless*HART	★

Antenna and SmartPower

Code	Description	
WP5	Internal antenna, compatible with Green Power Module (I.S. Power Module sold separately)	★

Addtional options

Include with selected model number.

Extended product warranty

Code	Description	
WR3	3-year limited warranty	★
WR5	5-year limited warranty	★

Plantweb™ control functionality

Code	Description	
A01	FOUNDATION™ Fieldbus control function block suite	★

Plantweb™ diagnostic functionality

Code	Description	
DA0	Loop Integrity HART® Diagnostic	★
D01	FOUNDATION™ Fieldbus Diagnostics Suite	★

Seal assemblies

"Assemble-to" items are specified separately and require a completed model number.

Code	Description	
S1	Assembled to one Rosemount 1199 Seal	★

Remote seal diaphragm coating

Code	Description	
SZ	0.0002-in. (5 μm) gold-plated diaphragm	
FP[1]	CorrosionShield PFA coated diaphragm	

(1) *Not compatible with spiral wound gasket.*

Product certifications

Code	Description	
E8	ATEX Flameproof and Dust Certification	★
I1[1]	ATEX Intrinsic Safety and Dust	★
IA	ATEX FISCO Intrinsic Safety; for FOUNDATION™ Fieldbus or PROFIBUS® PA Protocol only	★
N1	ATEX Type n Certification and Dust	★
K8	ATEX Flameproof, Intrinsic Safety, Type n, Dust (combination of E8, I1 and N1)	★
E4	TIIS Flame-proof	★
I4	TIIS Intrinsic Safety	★
E5	USA Explosion-proof, Dust Ignition-Proof	★
I5[2]	USA Intrinsically Safe, Nonincendive	★
C6	Canada Explosion-proof, Dust Ignition-proof, Intrinsically Safe, and Division 2	★
E6	Canada Explosion-proof, Dust Ignition-proof, Division 2	★
I6	Canada Intrinsic Safety	★
K6	Canada and ATEX Explosion-proof, Intrinsically Safe, and Division 2 (combination of C6, E8, and I1)	★
E7	IECEx Flameproof, Dust Ignition-proof	★
I7	IECEx Intrinsic Safety	★
N7	IECEx Type n Certification	★
K7	IECEx Flame-proof, Dust Ignition-proof, Intrinsic Safety, and Type n (combination of I7, N7, and E7)	★
IG	IECEx FISCO Intrinsically Safe; for FOUNDATION Fieldbus or PROFIBUS PA Protocols only	★

K5	USA Explosion-proof, Dust Ignition-Proof, Intrinsically Safe, and Division 2	★
E2	INMETRO Flameproof001	★
I2	INMETRO Intrinsic Safety	★
IB	INMETRO FISCO intrinsically safe; for FOUNDATION Fieldbus or PROFIBUS PA Protocols only	★
K2	INMETRO Flameproof, Intrinsic Safety	★
E3	China Flameproof	★
I3	China Intrinsic Safety	★
N3	China Type n	★
EM	Technical Regulations Customs Union (EAC) Flameproof	★
IM	Technical Regulations Customs Union (EAC) Intrinsic Safety	★
KM	Technical Regulations Customs Union (EAC) Flameproof and Intrinsic Safety	★
KB	USA and Canada Explosion-proof, Dust Ignition Proof, Intrinsically Safe, and Division 2 (combination of K5 and C6)	★
KD	USA, Canada, and ATEX Explosion-proof, Intrinsically Safe (combination of K5, C6, I1, and E8)	★
KL[3]	USA, Canada, IECEx, ATEX Intrinsic Safety Combination	★
KS	USA, Canada, IECEx, ATEX Explosion Proof, Intrinsically Safe, Dust, Non-Incendive, Type-N, Div. 2	★
EP	Republic of Korea Flameproof	★
IP	Republic of Korea Intrinsic Safety	★
KP	Republic of Korea Flameproof, Intrinsic Safety	★

(1)   *Dust approval not applicable to output code X.*
(2)   *Nonincendive certification not provided with output code (X).*
(3)   *Only available with output code X.*

Shipboard approvals

Shipyard approvals are not available with wireless output (code X).

Code	Description	
SBS	American Bureau of Shipping	★
SBV[1]	Bureau Veritas (BV)	★
SDN	Det Norske Veritas	★
SLL[1]	Lloyds Register (LR)	★

(1)   *Only available with product certifications E7, E8, I1, I7, IA, K7, K8, KD, N1, N7*

SST tagging

Code	Description	
Y2	316 SST nameplate, top tag, wire-on tag, and fasteners	

Bolting material

Code	Description	
L4	Austenitic 316 SST bolts	★

Display and interface options

Code	Description	
M4[1]	LCD display with LOI	★
M5	LCD display	★

(1)   *Only available with 4-20 mA HART® output (code A) and PROFIBUS®-PA (code W).*

Calibration certificate

Code	Description	
Q4	Calibration certificate	★
QG[1]	Calibration certificate and GOST verification certificate	★
QP	Calibration certification and tamper evident seal	★

(1)   *Contact an Emerson representative for availability.*

Material traceability certification

Code	Description	
Q8	Material traceability certification per EN 10204 3.1	★

Positive material identification (PMI)

Code	Description	
Q76	PMI verification and certificate	★

Quality certification for safety

The quality certification for safety is only available with HART® 4–20 mA output (code A).

Code	Description	
QT	Safety certified to IEC 61508 with certificate of FMEDA	★

Toolkit total system performance reports

Code	Description	
QZ	Remote seal system performance calculation report	★

Conduit electrical connector

The conduit electrical connector option is not available with wireless output (code X).

Code	Description	
GE	M12, 4-pin, male connector (eurofast®)	★
GM	A size mini, 4-pin, male connector (minifast®)	★

Configuration buttons

Code	Description	
D4[1]	Analog zero and span	★
DZ[2]	Digital zero trim	★

(1)   *Only available with HART® 4–20 mA output (code A).*
(2)   *Only available with HART 4–20 mA output (output code A) and wireless output (output code X)*

Transient protection

The transient protection option is not available with wireless output (code X). The T1 option is not needed with FISCO Product Certifications; transient protection is included in the FISCO product certification codes IA, IB, and IE.

Code	Description	
T1	Transient protection terminal block	★

Software configuration

The software configuration option is only available with HART® 4–20 mA output (output code A) and wireless output (output code X).

Code	Description	
C1	Custom software configuration (For wired, see the Rosemount 3051 Configuration Data Sheet. For wireless, see the Rosemount 3051 Wireless Configuration Data Sheet.)	★

Low power output

Code	Description	
C2	0.8–3.2 Vdc output with digital signal based on HART Protocol (available with output code M only)	★

Alarm levels

The alarm levels option is only available with HART 4–20 mA output (code A).

Code	Description	
C4[1]	Analog output levels compliant with NAMUR recommendation NE 43, alarm high	★
CN[1]	Analog output levels compliant with NAMUR recommendation NE 43, alarm low	★
CR	Custom alarm and saturation signal levels, high alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CS	Custom alarm and saturation signal levels, low alarm (requires C1 and Rosemount 3051 Configuration Data Sheet)	★
CT	Rosemount standard low alarm	★

(1)   *NAMUR-compliant operation is preset at the factory and can be changed to standard operation in the field for the standard Rosemount 3051.*

Conduit plug

The conduit plug option is not available with wireless output (code X).

Code	Description	
D0	316 SST conduit plug	★

Ground screw

The ground screw option is not available with wireless output (code X). The V5 option is not needed with the T1 option; external ground screw assembly is included with the T1 option.

Code	Description	
V5	External ground screw assembly	★

Lower housing flushing connection options

Code	Ring material	Number	Size (NPT)	
F1	316 SST	1	¼–18 NPT	★
F2	316 SST	2	¼–18 NPT	★
F3	Alloy C-276	1	¼–18 NPT	★
F4	Alloy C-276	2	¼–18 NPT	★
F7	316 SST	1	½–14 NPT	★
F8	316 SST	2	½–14 NPT	★
F9	Alloy C-276	1	½–14 NPT	★
F0	Alloy C-276	2	½–14 NPT	★

Lower housing intermediate gasket material

Code	Description	
S0	No gasket for lower housing	★
SY[1]	Thermo-Tork® TN-9000	★

(1)　*Gasket provided when lower housing is ordered.*

NACE certificate

Note that NACE®-compliant wetted materials are required. Materials of construction must comply with recommendations per NACE MR0175/ISO 15156 for sour oil field production environments. Environmental limits apply to certain materials. Consult the latest standard for details. All selected materials must also conform to NACE MR0103 for sour refining environments.

Code	Description	
Q15	Certificate of Compliance to NACE MR0175/ISO 15156 for wetted materials	★
Q25	Certificate of Compliance to NACE MR0103 for wetted materials	★

HART revision configuration (requires HART Protocol output code A)

HART® Revision 5 is the default HART output.

Code	Description	
HR5	Configured for HART Revision 5	★
HR7	Configured for HART Revision 7	★

Wireless power accessory

This option is only available with output code X.

Code	Description	
HS	Hot swap power adapter for power module replacement	