

Model 266PSH Gauge - ABB

BASIC ORDERING INFORMATION model 266PSH Gauge Pressure Transmitter

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information and specify one or more codes for each transmitter if additional options are required.

BASE MODEL - 1 st to 6 th characters				2	6	P	S	H	X	S	X	X	X	X
Gauge Pressure Transmitter – BASE ACCURACY 0.06 %														
SENSOR - Span limits - 7 th character														
0.05 and 1 kPa	0.5 and 10 mbar	0.2 and 4 inH2O							A					
0.2 and 4 kPa	2 and 40 mbar	0.8 and 16 inH2O							B					
0.54 and 16 kPa	5.4 and 160 mbar	2.16 and 64 inH2O							E					
0.4 and 40 kPa	4 and 400 mbar	1.6 and 160 inH2O							F					
0.65 and 65 kPa	6.5 and 650 mbar	2.6 and 260 inH2O							G					
1.6 and 160 kPa	16 and 1600 mbar	6.4 and 642 inH2O							H					
6 and 600 kPa	0.06 and 6 bar	0.87 and 87 psi							M					
24 and 2400 kPa	0.24 and 24 bar	3.5 and 348 psi							P					
80 and 8000 kPa	0.8 and 80 bar	11.6 and 1160 psi							Q					
160 and 16000 kPa	1.6 and 160 bar	23.2 and 2320 psi							S					
Use code - 8 th character										S				
Diaphragm material / Fill fluid (wetted parts) - 9 th character														
AISI 316 L ss	Silicone oil	(Note 2)							NACE	S				
Hastelloy C-276™ (on AISI seat)	Silicone oil	(Note 20)							NACE	H				
Hastelloy C-276™	Silicone oil								NACE	K				
Monel 400™	Silicone oil	(Note 2)							NACE	M				
AISI 316 L ss gold plated	Silicone oil	(Note 2)							NACE	8				
Tantalum	Silicone oil	(Note 2)							NACE	T				
AISI 316 L ss	Inert fluid - Galden	(Notes 1, 2)							NACE	A				
Hastelloy C-276™	Inert fluid - Galden	(Notes 1, 2)							NACE	F				
Monel 400™	Inert fluid - Galden	(Notes 1, 2)							NACE	C				
AISI 316 L ss gold plated	Inert fluid - Galden	(Notes 1, 2)							NACE	9				
Tantalum	Inert fluid - Galden	(Notes 1, 2)							NACE	D				
AISI 316 L ss	Inert fluid - Halocarbon	(Notes 1, 2)							NACE	L				
Hastelloy C-276™	Inert fluid - Halocarbon	(Notes 1, 2)							NACE	P				
Monel 400™	Inert fluid - Halocarbon	(Notes 1, 2)							NACE	4				
AISI 316 L ss gold plated	Inert fluid - Halocarbon	(Notes 1, 2)							NACE	I				
Tantalum	Inert fluid - Halocarbon	(Notes 1, 2)							NACE	5				

continued
see next page

Model 266PSH Gauge

BASIC ORDERING INFORMATION model 266PSH Gauge Pressure Transmitter				2	6	P	S	H	X	S	X	X	X	X	X
Housing material and electrical connection - 12th character															
Aluminium alloy (barrel version)	1/2 in. – 14 NPT														A
Aluminium alloy (barrel version)	M20 x 1.5 (CM 20)														B
Aluminium alloy (barrel version)	Harting Han 8D connector	(general purpose only)							(Note 9)						E
Aluminium alloy (barrel version)	Fieldbus connector	(general purpose only)							(Note 9)						G
AISI 316 L ss (barrel version) (I2 or I3 required)	1/2 in. – 14 NPT														S
AISI 316 L ss (barrel version) (I2 or I3 required)	M20 x 1.5 (CM20)														T
AISI 316 L ss (barrel version) (I2 or I3 required)	Fieldbus connector	(general purpose only)							(Note 9)						Z
Aluminium alloy (DIN version)	M20 x 1.5 (CM20)	(not Ex d or XP)													J
Aluminium alloy (DIN version)	Harting Han 8D connector	(general purpose only)							(Note 9)						K
Aluminium alloy (DIN version)	Fieldbus connector	(general purpose only)							(Note 9)						W
Output/Additional options - 13th character															
Standard HART and 4 to 20 mA	No additional options								(Notes 10, 11)						L
Standard HART and 4 to 20 mA	Options requested by "Additional ordering code"								(Note 10)						7
Advanced HART and 4 to 20 mA (includes option R1)	No additional options								(Notes 10, 11)						H
Advanced HART and 4 to 20 mA (includes option R1)	Options requested by "Additional ordering code"								(Note 10)						1
PROFIBUS PA (includes option R1)	No additional options								(Notes 10, 11)						P
PROFIBUS PA (includes option R1)	Options requested by "Additional ordering code"								(Note 11)						2
FOUNDATION Fieldbus (includes option R1)	No additional options								(Notes 10, 11)						F
FOUNDATION Fieldbus (includes option R1)	Options requested by "Additional ordering code"								(Note 11)						3
HART and 4 to 20 mA Safety, certified to IEC 61508 (includes option R1)	No additional options								(Notes 10, 11)						T
HART and 4 to 20 mA Safety, certified to IEC 61508 (includes option R1)	Options requested by "Additional ordering code"								(Note 10)						8

NOTE - Option R1 represents the external pushbuttons

ADDITIONAL ORDERING INFORMATION for model 266PSH

Add one or more 2-digit code(s) after the basic ordering information to select all required options

				XX	XX	XX
Accuracy						
0.04 % accuracy for applicable ranges			(Notes 7, 21)	D2		
Drain/vent valve (material and position) (wetted parts)						
AISI 316 L ss	on process axis	(Notes 7, 12)	NACE		V1	
AISI 316 L ss	on flange side top	(Notes 7, 13)	NACE		V2	
AISI 316 L ss	on flange side bottom	(Notes 7, 13)	NACE		V3	
Hastelloy C-276™	on process axis	(Notes 7, 14)	NACE		V4	
Hastelloy C-276™	on flange side top	(Notes 7, 15)	NACE		V5	
Hastelloy C-276™	on flange side bottom	(Notes 7, 15)	NACE		V6	
Monel 400™	on process axis	(Notes 7, 16)	NACE		V7	
Monel 400™	on flange side top	(Notes 7, 17)	NACE		V8	
Monel 400™	on flange side bottom	(Notes 7, 17)	NACE		V9	
Hazardous area certifications						
ATEX Intrinsic Safety II 1 G and II 1/2 G Ex ia IIC T6/T5/T4; II 1 D Ex iaD 20 T85 °C and II 1/2D Ex iaD 21 T85 °C			(Notes 10, 11)			E1
ATEX Explosion Proof Group II Category 1/2 G Ex d IIC T6 and Group II Category 1/2 D Ex tD A21 IP67 T85 °C			(Notes 10, 11, 18)			E2
ATEX Type „N“ Group II Category 3 G Ex nL IIC T6/T5/T4 and Group II Category 3 D Ex tD A22 IP67 T85 °C			(Notes 10, 11)			E3
Combined ATEX - Intrinsic Safety, Explosion Proof and Type „N“			(Notes 10, 11, 18)			EW
Combined ATEX - Intrinsic Safety and Explosion Proof			(Notes 10, 11, 18)			E7
Combined ATEX, FM Approvals (USA) and FM Approvals (Canada)			(Notes 10, 11, 18)			EN
FM Approvals (Canada) approval			(Notes 10, 11, 18)			E4
FM Approvals (USA) approval			(Notes 10, 11, 18)			E6
FM Approvals (USA and Canada) Intrinsic Safety			(Notes 10, 11)			EA
FM Approvals (USA and Canada) Explosion Proof			(Notes 10, 11, 18)			EB
FM Approvals (USA and Canada) Nonincendive			(Notes 10, 11)			EC
IECEX Intrinsic Safety Ex ia IIC T6/T5/T4; Ex iaD 20 T85 °C and Ex iaD 21 T85 °C;			(Notes 10, 11)			E8
IECEX Explosion Proof Ex d IIC T6 and Ex tD A21 IP67 T85 °C (Ta= -50 to +75 °C)			(Notes 10, 11, 18)			E9
IECEX Type „N“ Ex nL IIC T6/T5/T4			(Notes 10, 11)			ER
Combined IECEX - Intrinsic Safety, Explosion Proof and Type „N“			(Notes 10, 11, 18)			EI
Combined IECEX - Intrinsic Safety and Explosion Proof			(Notes 10, 11, 18)			EH
NEPSI Intrinsic Safety Ex ia IIC T4~T6, DIP A20T _A , T4~T6			(Notes 10, 11)			EY
NEPSI Explosion Proof Ex d IIC T6, DIP A21T _A , T6			(Notes 10, 11, 18)			EZ
NEPSI Type „N“ Ex nL IIC T4~T6, DIP A22T _A , T6			(Notes 10, 11)			ES
Combined NEPSI - Intrinsic Safety, Explosion Proof and Type „N“			(Notes 10, 11, 18)			EQ
Combined NEPSI - Intrinsic Safety and Explosion Proof			(Notes 10, 11, 18)			EP

ADDITIONAL ORDERING INFORMATION for model 266PSH		XX	XX	XX	XX	XX	XX
Other hazardous area certifications (ONLY AS ALTERNATIVE TO BASIC CERTIFICATION CODE Ex)							
GOST (Russia) Ex ia	(Notes 10, 11)	W1					
	(Notes 10, 11, 18)	W2					
	(Notes 10, 11)	W3					
GOST (Kazakhstan) Ex d	(Notes 10, 11, 18)	W4					
Inmetro (Brazil) Ex ia	(Notes 10, 11, 22)	W5					
Inmetro (Brazil) Ex d	(Notes 10, 11, 18, 22)	W6					
Inmetro (Brazil) Ex nL	(Notes 10, 11, 22)	W7					
Combined Inmetro (Brazil) - Intrinsic Safety, Explosion Proof and Type „N“	(Notes 10, 11, 18, 22)	W8					
GOST (Belarus) Ex ia	(Notes 10, 11)	WF					
GOST (Belarus) Ex d	(Notes 10, 11, 18)	WG					
Combined GOST (Belarus) - Intrinsic Safety and Explosion Proof	(Notes 10, 11, 18)	WH					
Kosha (Korea) Intrinsic Safety Ex ia IIC T6, IP67	(Notes 10, 11, 22)	WM					
Kosha (Korea) Explosion Proof Ex d IIC T6, IP67	(Notes 10, 11, 18, 22)	WN					
Combined Kosha (Korea) - Intrinsic Safety and Explosion Proof	(Notes 10, 11, 18, 22)	WP					
Integral LCD							
Digital LCD integral display with integrated keypad	(Note 22)	L1					
Digital LCD integral display with TTG (Through-The-Glass) activated keypad	(Note 22)	L5					
Standard Digital LCD integral display (ONLY SELECTABLE WITH OUTPUT CODE 7)		L9					
External non intrusive Z, S and WP pushbuttons							
Transmitters with external pushbutton (ONLY SELECTABLE WITH OUTPUT CODE 7)							R1
Mounting bracket (shape and material)							
For pipe mounting - Carbon steel	(Not suitable for AISI housing)						B1
For pipe mounting - AISI 316 L ss							B2
For wall mounting - Carbon steel	(Not suitable for AISI housing)						B3
For wall mounting - AISI 316 L ss							B4
Flat type for box - AISI 316 ss							B5
Surge							
Surge/Transient Protector							S2
Operating manual (up to 2 different selections allowed)							
German (ONLY FOR HART and PROFIBUS VERSIONS)							M1
Italian (ONLY FOR HART VERSION)							M2
Spanish (ONLY FOR HART VERSION)							M3
French (ONLY FOR HART VERSION)							M4
English							M5
Chinese (ONLY FOR HART VERSION)							M6
Swedish (ONLY FOR HART VERSION)							M7
Polish (ONLY FOR HART VERSION)							M9
Portuguese (ONLY FOR HART VERSION)							MA
Turkish (ONLY FOR HART VERSION)							MT

ADDITIONAL ORDERING INFORMATION for model 266PSH	XX	XX	XX	XX	XX
Plates language					
German	T1				
Italian	T2				
Spanish	T3				
French	T4				
Additional tag plate					
Supplemental wired-on stainless steel plate	I1				
Tag and certification stainless steel plates and laser printing of tag	I2				
Tag, certification and supplemental wired-on stainless steel plates and laser printing of tag	I3				
Configuration					
Standard – Pressure = inH2O/ psi at 68 °F; Temperature = deg. F				N2	
Standard – Pressure = inH2O/ psi at 39.2 °F; Temperature = deg. F				N3	
Standard – Pressure = inH2O/ psi at 20 °C; Temperature = deg. C				N4	
Standard – Pressure = inH2O/ psi at 4 °C; Temperature = deg. C				N5	
Custom				N6	
Preparation procedure					
Oxygen service cleaning (only available with inert fill and PTFE gasket)					P1
Pmax =12 MPa for Galden, 9 MPa for Halocarbon; Tmax=60 °C/140 °F					
Certificates (up to 2 different selections allowed)					
Inspection certificate EN 10204–3.1 of calibration (9-point)					C1
Inspection certificate EN 10204–3.1 of the cleanliness stage					C3
Inspection certificate EN 10204–3.1 of helium leakage test of the sensor module					C4
Inspection certificate EN 10204–3.1 of the pressure test					C5
Certificate of compliance with the order EN 10204–2.1 of instrument design					C6
Printed record of configured data of transmitter					CG
PMI test of wetted parts					CT

Model 266PSH Gauge

ADDITIONAL ORDERING INFORMATION FOR MODEL 266PSH		XX	XX	XX	XX	XX
Approvals						
GOST (Russia) without Ex	(NOT APPLICABLE WITH ANY HAZARDOUS AREA CERTIFICATION)	Y1				
GOST (Kazakhstan) without Ex	(NOT APPLICABLE WITH ANY HAZARDOUS AREA CERTIFICATION)	Y2				
GOST (Belarus) without Ex	(NOT APPLICABLE WITH ANY HAZARDOUS AREA CERTIFICATION)	Y4				
Chinese pattern without Ex	(NOT APPLICABLE WITH ANY HAZARDOUS AREA CERTIFICATION)	Y5				
DNV approval	(Note 22)		YA			
Approval for Custody transfer (PENDING)	(Note 22)		YC			
Material traceability						
Certificate of compliance with the order EN 10204–2.1 of process wetted parts						H1
Inspection certificate EN 10204–3.1 of process wetted parts						H3
Test report EN 10204–2.2 of pressure bearing and process wetted parts						H4
Connector						
Fieldbus 7/8 in. (Recommended for FOUNDATION Fieldbus) - (supplied loose without mating female plug)		(Notes 11, 19)				U1
Fieldbus M12x1 (Recommended for PROFIBUS PA) - (supplied loose without mating female plug)		(Notes 11, 19)				U2
Harting Han 8D – straight entry - (supplied loose)		(Notes 10, 19)				U3
Harting Han 8D – angle entry - (supplied loose)		(Notes 10, 19)				U4
Accessory						
Manifold mounting and pressure test (NOT AVAILABLE WITH OXYGEN SERVICE CLEANING - PREPARATION PROCEDURE CODE P1 or WITH VERTICAL FLANGES WHEN SELECTED WITH BRACKET CODE Bx)						A1

- Note 1: Suitable for oxygen service
 Note 2: Not available with sensor code A and B
 Note 3: Not available with AISI 316L ss or Hastelloy C-276 (on AISI seat) diaphragms code S, H, A, L
 Note 4: Not available with sensor code A
 Note 5: Not available with Diaphragm material/Fill fluid code S, H, K, M, A, F, C, L, P, 4
 Note 6: Not available with sensor code A, Q, S
 Note 7: Not available with Process Flanges/Adapters material/connection code P, Z
 Note 8: Not available with Process Flanges/Adapters material/connection code A, B, D, E, G, H, Q, T, M, S, U, V
 Note 9: Select type in additional ordering code
 Note 10: Not available with Housing code G, Z, W
 Note 11: Not available with Housing code E, K
 Note 12: Not available with Process flanges/adapters material/connection code D, E, G, H, Q, T, M, S, U, V
 Note 13: Not available with Process flanges/adapters material/connection code D, E, G, H, M, S, U, V
 Note 14: Not available with Process flanges/adapters material/connection code A, B, G, H, Q, T, M, S, U, V
 Note 15: Not available with Process flanges/adapters material/connection code A, B, G, H, Q, T, U, V
 Note 16: Not available with Process flanges/adapters material/connection code A, B, D, E, Q, T, M, S, U, V
 Note 17: Not available with Process flanges/adapters material/connection code A, B, D, E, Q, T, M, S
 Note 18: Not available with Housing code J, K, W
 Note 19: Not available with Housing code A, B, S, T, J
 Note 20: Not available with sensor code E, F, G, H, M, P, Q, and S
 Note 21: Not available with sensor code A, B, E, S
 Note 22: Not available with Output code 7

Standard delivery items (can be differently specified by additional ordering code)

- Adapters supplied loose
- Plug on axis of horizontal connection flange; nothing for PVDF Kynar insert or for vertical connection flange (no drain/vent valves)
- General purpose (no electrical certification)
- No display, no mounting bracket, no surge protection
- Multilanguage short-form operating instruction manual and labels in english (metal nameplate; self-adhesive certification and tag)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

