



Ordering Information

Basic ordering information PGS100 Gauge Pressure Transmitters and PAS100 Absolute Pressure Transmitters

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 – 1st to 6th characters		PGS100	X	X	X	X	X	X	X	X	X	X
Gauge pressure transmitter, compact class, base accuracy 0.25 %		PAS100										
Absolute pressure transmitter, compact class, base accuracy 0.25 %												
Sensor range – 7th character												
6 kPa	60 mbar	24 in H2O	C									
40 kPa	400 mbar	160 inH2O	F									
250 kPa	2500 mbar	36.26 psi	L									
1000 kPa	10 bar	145 psi	D									
4000 kPa	40 bar	580 psi	K									
10000 kPa	100 bar	1450 psi	R									
Maximum working pressure – 8th and 9th characters												
Standard by design according to sensor range			S9									
Diaphragm material – 10th character												
AISI 316 L ss		NACE				A						
Hastelloy C-276		NACE				H						
Diaflex antiabrasion coating on AISI 316 L ss		NACE (Note 1)				F						
Diaflex antiabrasion coating on Hastelloy C-276		NACE (Note 1)				C						
H-Shield coating on AISI 316 L ss for hydrogen permeation		NACE (Note 2)				S						
Fill fluid – 11th character												
Silicone oil						1						
Inert oil						2						
Mineral white oil (FDA)						3						
Process connection material – 12th character												
AISI 316 L ss		NACE							A			
Process connection size – 13th character												
1/2 in - 14 NPT female		NACE							A			
1/2 in - 14 NPT male / 1/4 in - 18 NPT female (adapter compatible)		NACE							B			
DIN EN 837-1 G 1/2 B		NACE							C			
Front bonded G 1/2 in		NACE (Note 3)							P			
Bolts and gaskets – 14th character												
None											Y	
Housing material / Electrical connection – 15th character												
AISI 316 L ss / M16 x 1.5 thread												U
AISI 316 L ss / M20 x 1.5 female thread (through adapter - supplied loose)												T
AISI 316 L ss / 1/2 in-14 NPT female thread (through adapter - supplied loose)												S
Protocol/Output – 16th characters												
4 – 20 mA analog signal only (only zero/span settings are available)												A
HART digital communication and 4 – 20 mA (Easy setup menu is available for configuration settings)												H



Additional ordering information model PGS100 Gauge Pressure Transmitters and PAS100 Absolute Pressure Transmitters
 Add one or more options code after the basic ordering information to select all required options.

	XX	XX	XXX	XX	XX	XX	XX	XX
LCD Display (see FOOTNOTE)								
Glass touch LCD display with 2-button keypad	D3							
Backlit glass touch LCD display with 2-button keypad	D4							
Extended performances								
± 0,075% extended Base accuracy		E7						
± 0.10 % extended base accuracy		E9						
Hazardous area certifications (see relevant paragraph for complete detailed markings)								
ATEX Ex ia and Ex ta/tb	(Note 4)		HAM					
CSA approvals (USA and Canada) IS (Gas and Dust)	(Note 4)		HCM					
IECEX Ex ia and Ex ta/tb	(Note 4)		HJM					
Combined ATEX, CSA approvals (USA and Canada) and IECEX (Gas and Dust)	(Note 4)		HMM					
NEPSI China (Ex ia and Ex iaD / Ex tD)			HMN					
INMETRO (Brazil) Ex ia and Ex ta/tb			HMB					
EAC Ex ia and Ex ta/tb			HME					
Approvals								
CSA ordinary location (USA and Canada)	(Note 4)			GO				
DM174 water approval	(Note 5)			GD				
WRAS water approval (Tmax = 85 °C for Process connection size code P and 100 °C for codes A, B, C)	(Note 5)			GW				
Combined water approvals	(Note 5)			GA				
Physical application								
Oxygen service cleaning, (only available with inert oil fill)	(Note 6)				P1			
Pmax =10 MPa for Galden; Tmax=60 °C/140 °F or max. working pressure								
Accessories								
External grounding terminal (fitted as standard if hazardous area certification code Hxx is selected)							AG	
Manifold assembly	(Note 7, 8)						AM	
Mounting bracket								
Universal for pipe or wall mounting / AISI 304 ss (1.4301)								BU
Software application								
Calibration to specified measuring span and/or tag number (and printed on plastic label)	(Note 9)							SC
Alarm setting to low current of 3.6 mA								SA
Digital access diagnostics (requires backlit LCD display code D4)								SD
Local configuration (Easy Set Up) for 4..20mA Version	(Note 10)							SE

NOTE - Refer to hazardous atmospheres paragraph for compliance of digital display



...Ordering Information

... Additional ordering information model PGS100 Gauge Pressure Transmitters and PAS100 Absolute Pressure Transmitters

	XX	XXX	XX
Inspection/compliance certificates			
Inspection certificate EN 10204–3.1 of calibration (5-point) (Note 11)	CF		
Inspection Certificate UNI EN 10204 3.1 (9 points calibration) (Note 12)	CN		
Inspection certificate EN 10204–3.1 of cleanliness stage	CC		
Inspection certificate EN 10204–3.1 of helium leakage test of the sensor module	CL		
Inspection certificate EN 10204–3.1 of the pressure test	CH		
Certificate of compliance with the order EN 10204–2.1 of instrument design	CD		
Inspection certificate EN 10204–3.1 of process wetted parts	CM		
Certificate of compliance with the order EN 10204–2.1 of pressure bearing and wetted parts	CW		
Labels			
Label and display visualization in imperial units (Pressure = inH2O/ psi at 68 °F; Temperature = deg. F)			LTU
Supplemental wired–on stainless steel plate (4 lines, 32 characters each)			LEW
Label and display visualization in Chinese			LTS
Manuals			
German			M1
Italian (PENDING)			M2
Spanish (PENDING)			M3
French (PENDING)			M4
English			M5
Chinese (PENDING)			M6
Portuguese (PENDING)			MA
Russian (PENDING)			MB

Note 1: Only available with Front bonded G 1/2 in process connection code P

Note 2: For 10000 kPa/100 bar/1450 psi sensor code R, H-Shield is only available with front bonded G 1/2 in process connection code P

Note 3: Not available with 40 kPa/400 mbar/160 inH2O/300 mmHg sensor code F

Note 4: Hazardous area certification and CSA ordinary location options are mutually exclusive

Note 5: Available only with Diaphragm material code A

Note 6: Not available with DIN EN 837-1 G 1/2 B process connection code C

Note 7: Not available with any Ex certificates.

Note 8: Not available with Physical application code P1

Note 9: Option code SC has to be ordered if 0 to URL calibration record is required

Note 10: Available only with Output code A

Note 11: Option code CF provides an inspection certificate of calibration 0 to URL

Option code SC should be also selected if the inspection certificate is required for calibration different from 0 to URL

Note 12: Mutually exclusive with Inspection certificate code CF

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

- For general purpose applications (no Ex application certification)
- EPDM O-ring for G 1/2 front bonded process connection, flush diaphragm
- No display, no mounting bracket
- Short-form leaflet instruction and labels in English
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

IMPORTANT REMARK FOR ALL MODELS

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING

