

Selection and Ordering data		Order No.	
SITRANS P300 pressure transmitters with PMC connection , single-chamber measuring housing, rating plate inscription in English			
with 4 ... 20 mA / HART		7 MF 8 1 2 3 -	
with PROFIBUS PA		7 MF 8 1 2 4 -	
with FOUNDATION Fieldbus (FF)		7 MF 8 1 2 5 -	
		■ ■ ■ ■ ■ - ■ ■ ■ ■ ■	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	normal	1	
Inert liquid	Cleanliness level 2 to DIN 25410	3	
Measuring span			
1 bar ¹⁾	(14.5 psi)	B	
4 bar	(58 psi)	C	
16 bar	(232 psi)	D	
Wetted parts materials			
Seal diaphragm	Measuring cell		
Hastelloy	Stainless steel	B	
Process connection			
• PMC Style Standard: Thread 1½"		2	
• PMC Style Minibolt: front-flush 1" (minimum span: 500 mbar (7.25 psi), not available with 1-bar-measuring cell (Option B))		3	
Non-wetted parts materials			
• Stainless steel, deep-drawn and electrolytically polished		4	
Version			
• Standard versions		1	
Explosion protection			
• None		A	
• With ATEX, Type of protection: - "Intrinsic safety (Ex ia)"		B	
• Zone 20/21/22 ²⁾		C	
• Ex nA/nL (Zone 2) ³⁾		E	
• With FM + CSA, Type of protection: - "Intrinsic Safe (is)" (planned)		M	
Electrical connection/cable entry			
• Screwed gland M20 x .5 (polyamide) ⁴⁾		A	
• Screwed gland M20 x 1.5 (metal)		B	
• Screwed gland M20 x 1.5 (stainless steel)		C	
• M12 connectors (without cable socket)		F	
• M12 connectors (stainless steel), without cable socket)		G	
• ½-14 NPT metal thread ⁵⁾		H	
• ½-14 NPT stainless steel thread ⁵⁾		J	

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		■ ■ ■ ■ ■ - ■ ■ ■ ■ ■	
Display			
• Without display, with keys, closed lid		1	
• With display and keys, closed lid ⁶⁾		2	
• With display and keys, lid with Makrolon pane (setting on HART devices: mA, with PROFIBUS PA and FOUNDATION Fieldbus equipment: pressure units) ⁶⁾		4	
• With display and keys (setting acc. to specifications, Order Code "Y21" or "Y22" required), lid with Makrolon pane ⁶⁾		5	
• With display and keys, lid with glass pane (setting on HART devices: mA, with PROFIBUS PA and FOUNDATION Fieldbus equipment: pressure unit) ⁶⁾		6	
• With display (setting acc. to specifications, Order Code "Y21" or "Y22" required), lid with glass panel ⁶⁾		7	
Power supply units see Chap. 7 "Supplementary Components".			
Included in delivery of the device:			
• Brief instructions (Leporello)			
• CD-ROM with detailed documentation			
• sealing ring			
1) Only with "Standard" process connection"			
2) Not in conjunction with electrical connection option A.			
3) Only available together with electrical connection options B, C, F or G.			
4) Only together with HART electronics.			
5) Without cable gland.			
6) Display cannot be turned.			

Selection and Ordering data		Order code		
Further designs		HART	PA	FF
Add "-Z" to Order No. and specify Order Code.				
Cable socket for M12 plug				
- metal - Stainless steel	A50		✓	✓
	A51		✓	✓
Rating plate inscription (instead of English)				
- German - French - Spanish - Italian	B10	✓	✓	✓
	B12	✓	✓	✓
	B13	✓	✓	✓
	B14	✓	✓	✓
English rating plate	B21	✓	✓	✓
Pressure units in inH ₂ O and/or psi				
Quality inspection certificate (Five-step factory calibration) to IEC 60770-2		C11	✓	✓
Inspection certificate Acc. to EN 10204-3.1		C12	✓	✓
Factory certificate Acc. to EN 10204-2.2		C14	✓	✓
Set output signal to upper limit of 22.0mA		D05	✓	✓
Degree of protection IP65/IP68 (only for M20x1.5 and ½-14 NPT)		D12	✓	✓
Mounting				
- Weldable sockets for standard 1½" threaded connection - Weldable socket for minibolt connection 1" (incl. screw 5/16-18 UNC-2B and washer)	P01	✓	✓	✓
	P02	✓	✓	✓
Additional data				
Please add "-Z" to Order No. and specify Order code(s) and plain text.				
Measuring range to be set Specify in plain text (max. 5 characters): Y01: ... up to ... mbar, bar, kPa, MPa, psi		Y01	✓	
Stainless steel tag plate (measuring point description) Max. 16 char., specify in plain text: Y15:		Y15	✓	✓
Measuring point text Max. 27 char., specify in plain text: Y16:		Y16	✓	✓
Entry of HART address (TAG) Max. 8 char., specify in plain text: Y17:		Y17	✓	
Setting of pressure indication in pressure units Specify in plain text (standard setting: bar): Y21: mbar, bar, kPa, MPa, psi, ... Note: The following pressure units can be selected: bar, mbar, mm H ₂ O ^{*)} , inH ₂ O ^{*)} , ftH ₂ O ^{*)} , mmHG, inHG, psi, Pa, kPa, MPa, g/cm ² , kg/cm ² , Torr, ATM or %) ref. temperature 20 °C		Y21	✓	✓
Setting of pressure indication in non-pres-sure units⁵⁾ Specify in plain text: Y22: up to l, m ³ , m, USg, ... (specification of measuring range in pressure units "Y01" is essential, unit with max. 5 characters)		Y22 + Y01	✓	
Preset bus address possible between 1 and 126 Specify in plain text: Y25: Only "Y01" and "Y21" can be factory preset ✓ = available		Y25		✓