

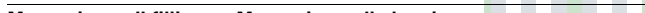
Selection and Ordering data	Order No.
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SITRANS P300 pressure transmitters with PMC connection, single-chamber measuring housing, rating plate inscription in English

with 4 ... 20 mA / HART F) **7MF8123-**

with PROFIBUS PA F) **7MF8124-**

with FOUNDATION Fieldbus (FF) F) **7MF8125-**



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 (EEx 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

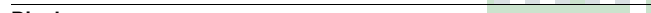
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Display	
• Without display, with keys, closed covers	1
• With display and keys, closed lid	2
• With display and keys, lid with glass pane (setting on HART devices: mA, with PROFIBUS PA and FOUNDATION Fieldbus equipment: pressure unit)	6
• With display (setting acc. to specifications, Order Code "Y21" or "Y22" required), lid with glass pane	7

Power supply units see Chap. 8 "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.
- F) Subject to export regulations AL: 9I999, ECCN: N.

Selection and Ordering data	Order code			
		HART	PA	FF
Further designs				
Add "-Z" to Order No. and specify Order Code.				
Cable socket for M12 plug				
• metal	A50		✓	✓
• Stainless steel	A51		✓	✓
Rating plate inscription (instead of English)				
• German	B10	✓	✓	✓
• French	B12	✓	✓	✓
• Spanish	B13	✓	✓	✓
• Italian	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 IP68 (only for M20x1.5 and ½-14 NPT)	D12	✓	✓	✓
Mounting				
• Weldable sockets for standard 1½" threaded connection	P01	✓	✓	✓
• Weldable socket for minibolt connection 1" (incl. screw 5/16-18 UNC-2B and washer)	P02	✓	✓	✓
Additional data				
Please add "-Z" to Order No. and specify Order code(s) and plain text.				
Measuring range to be set	Y01	✓		
Specify in plain text (max. 5 characters): Y01: ... up to ... mbar, bar, kPa, MPa, psi				
Stainless steel tag plate (measuring point description)	Y15	✓	✓	✓
Max. 16 char., specify in plain text: Y15:				
Measuring point text	Y16	✓	✓	✓
Max. 27 char., specify in plain text: Y16:				
Entry of HART address (TAG)	Y17	✓		
Max. 8 char., specify in plain text: Y17:				
Setting of pressure indication in pressure units	Y21	✓	✓	✓
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				
Setting of pressure indication in non-pressure units³⁾	Y22 + Y01	✓		
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)				
Preset bus address	Y25		✓	
possible between 1 and 126 Specify in plain text: Y25:				
Only "Y01" and "Y21" can be factory preset				

✓ = available