

Selection and Ordering data		Order No.
<b>SITRANS P pressure transmitters for gauge pressure, with PMC connection series DS III with HART</b>		F) 7 MF 4 1 3 3 -
<b>Measuring cell filling</b>	<b>Measuring cell-cleaning</b>	
Silicone oil	normal	1
Inert liquid	grease-free to cleanliness level 2	3
<b>Measuring span (min. ... max.)</b>		
0,01 ... 1 bar <sup>1)</sup>	(0.15 ... 14.5 psi) <sup>1)</sup>	B
0.04 ... 4 bar	(0.58 ... 58 psi)	C
0.16 ... 16 bar	(2.32 ... 232 psi)	D
<b>Wetted parts materials</b>		
Seal diaphragm	Connection shank	
Hastelloy	Stainless steel	B
<b>Process connection</b>		
<ul style="list-style-type: none"> <li>• PMC Style Standard: Thread 1½"</li> <li>• PMC Style Minibolt: front-flush 1" (not with minimum span: 500 mbar (7.25 psi) - version "B")</li> </ul>		2 3
<b>Non-wetted parts materials</b>		
<ul style="list-style-type: none"> <li>• Housing made of die-cast aluminium</li> <li>• Housing stainless steel precision casting</li> </ul>		0 3
<b>Version</b>		
<ul style="list-style-type: none"> <li>• Standard versions</li> <li>• International version, English label inscriptions, documentation in 5 languages on CD (no order code selectable)</li> </ul>		1 2
<b>Explosion protection</b>		
<ul style="list-style-type: none"> <li>• None</li> </ul>		A
<b>Electrical connection / cable entry</b>		
<ul style="list-style-type: none"> <li>• Female thread M20 x 1.5</li> <li>• Female thread ½-14 NPT</li> <li>• M12 connectors (metal)<sup>2)</sup></li> </ul>		B C F
<b>Display</b>		
<ul style="list-style-type: none"> <li>• Without display</li> <li>• Without visible display (display concealed, setting: mA)</li> <li>• With visible display</li> <li>• With customer-specific display (setting as specified, Order Code "Y21" required)</li> </ul>		0 1 6 7
▶ Available ex stock		

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 "PMC Style Standard" process connection

2) M12 delivered without cable socket

Selection and Ordering data		Order No.
<b>SITRANS P pressure transmitter for gauge pressure, with PMC connection</b>		
<b>DS III with PROFIBUS PA (PA)</b>		F) 7 MF 4 1 3 4 -
<b>DS III with FOUNDATION Fieldbus (FF)</b>		F) 7 MF 4 1 3 5 -
<b>Measuring cell filling</b>	<b>Measuring cell-cleaning</b>	
Silicone oil	normal	1
Inert liquid	grease-free to cleanliness level 2	3
<b>Nominal measuring range</b>		
1 bar <sup>1)</sup>	(14.5 psi) <sup>1)</sup>	B
4 bar	(58 psi)	C
16 bar	(232 psi)	D
<b>Wetted parts materials</b>		
Seal diaphragm	Connection shank	
Hastelloy	Stainless steel	B
<b>Process connection<sup>2)</sup></b>		
<ul style="list-style-type: none"> <li>• PMC Style Standard: Thread 1½"</li> <li>• PMC Style Minibolt: front-flush 1" (minimum span: 500 mbar (7.25 psi), not available with 1-bar-measuring cell (Option B))</li> </ul>		2 3
<b>Non-wetted parts materials</b>		
<ul style="list-style-type: none"> <li>• Housing made of die-cast aluminium</li> <li>• Housing stainless steel precision casting</li> </ul>		0 3
<b>Version</b>		
<ul style="list-style-type: none"> <li>• Standard versions</li> <li>• International version, English label inscriptions, documentation in 5 languages on CD (no order code selectable)</li> </ul>		1 2
<b>Explosion protection</b>		
<ul style="list-style-type: none"> <li>• None</li> </ul>		A
<b>Electrical connection / cable entry</b>		
<ul style="list-style-type: none"> <li>• Screwed gland M20x1.5</li> <li>• Screwed gland ½-14 NPT</li> <li>• M12 connectors (metal)<sup>3)</sup></li> </ul>		B C F
<b>Display</b>		
<ul style="list-style-type: none"> <li>• Without display</li> <li>• Without visible display (display concealed, setting: mA)</li> <li>• With visible display</li> <li>• With customer-specific display (setting as specified, Order Code "Y21" required)</li> </ul>		0 1 6 7
▶ Available ex stock		

Included in delivery of the device:

- Brief instructions (Leporello)
- CD-ROM with detailed documentation
- sealing ring

1) Only with "PMC Style Standard" process connection

2) Sealing is included in delivery.

3) M12 delivered without cable socket

F) Subject to export regulations AL:9I999, ECCN:N

Selection and Ordering data	Order code		
<i>Further designs</i>	HART	PA	FF
Add "-Z" to Order No. and specify Order Code.			
<b>Plug</b>			
• Angled	A32	✓	
• Han 8D (metal, gray)	A33	✓	
<b>M12 cable sockets (metal)</b>	A50	✓	✓
<b>Rating plate inscription</b> (instead of German)			
• English	B11	✓	✓
• French	B12	✓	✓
• Spanish	B13	✓	✓
• Italian	B14	✓	✓
<b>English rating plate</b> Pressure units in inH <sub>2</sub> O and/or psi	B21	✓	✓
<b>Quality inspection certificate (Five-step factory calibration) to IEC 60770-2</b>	C11	✓	✓
<b>Inspection certificate</b> Acc. to EN 10204-3.1	C12	✓	✓
<b>Factory certificate</b> Acc. to EN 10204-2.2	C14	✓	✓
<b>"Functional safety (SIL2)" certificate acc. to IEC 61508</b>	C20	✓	
<b>"Functional safety (SIL2/3)" certificate acc. to IEC 61508</b>	C23	✓	
<b>Device passport Russia</b> (For price request please contact the technical support <a href="http://www.siemens.com/automation/support-request">www.siemens.com/automation/support-request</a> )	C99	✓	✓
<b>Output signal can be set to upper limit of 22.0mA</b>	D05	✓	✓
<b>Degree of protection IP68</b> (only for M20 x 1.5 and ½-14 NPT)	D12	✓	✓
<b>Export approval Korea</b>	E11	✓	✓
<b>Mounting</b>			
• Weldable sockets for standard 1½" threaded connection	P01	✓	✓
• Weldable socket for minibolt connection 1" (incl. screw 5/16-18 UNC-2B and washer)	P02	✓	✓

Selection and Ordering data	Order code		
<i>Additional data</i>	HART	PA	FF
Please add "-Z" to Order No. and specify Order code(s) and plain text.			
<b>Measuring range to be set</b> Specify in plain text (max. 5 characters): Y01: ... up to ... mbar, bar, kPa, MPa, psi	Y01	✓	
<b>Stainless steel tag plate (measuring point description)</b> Max. 16 characters, specify in plain text: Y15: .....	Y15	✓	✓
<b>Measuring point text</b> Max. 27 characters, specify in plain text: Y16: .....	Y16	✓	✓
<b>Entry of HART address (TAG)</b> Max. 8 characters, specify in plain text: Y17: .....	Y17	✓	
<b>Setting of pressure indication in pressure units</b> 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 <sub>2</sub> O <sup>1)</sup> , inH <sub>2</sub> O <sup>1)</sup> , ftH <sub>2</sub> O <sup>1)</sup> , mmHG, inHG, psi, Pa, kPa, MPa, g/cm <sup>2</sup> , kg/cm <sup>2</sup> , Torr, ATM or % ) ref. temperature 20 °C	Y21	✓	✓
<b>Setting of pressure indication in non-pressure units<sup>1)</sup></b> Specify in plain text: Y22: ..... up to ..... l, m <sup>3</sup> , m, USg, ... (specification of measuring range in pressure units "Y01" is essential, unit with max. 5 characters)	Y22 + Y01	✓	
<b>Preset bus address</b> possible between 1 and 126 Max. 8 characters, specify in plain text: Y25: .....	Y25		✓
Only "Y01" and "Y21" can be factory preset ✓ = available			
<b>ordering example</b>			
Item line: 7MF4133-1DB20-1AB7-Z			
B line: C11 + Y01 + Y21			
C line: Y01: 1 ... 10 bar (14.5 ... 145 psi)			
C line: Y21: bar (psi)			

<sup>1)</sup> Preset values can only be changed over SIMATIC PDM.