

Selection and Ordering data		Order No.	
Replacement measuring cell for pressure for SITRANS P DS III		7 MF 4 9 9 0 - 0 - 0 DB 0	
Measuring cell filling Measuring cell cleaning			
Silicone oil	Normal	1	
Inert liquid	grease-free to cleanliness level 2	3	
Measured span (min. ... max.)			
0.01 ... 1 bar	(0.15 ... 14.5 psi)	B	
0.04 ... 4 bar	(0.6 ... 58 psi)	C	
0.16 ... 16 bar	(2.32 ... 232 psi)	D	
0.63 ... 63 bar	(9.14 ... 914 psi)	E	
1.6 ... 160 bar	(23.2 ... 2320 psi)	F	
4.0 ... 400 bar	(58.0 ... 5802 psi)	G	
7.0 ... 700 bar	(102.0 ... 10153 psi)	J	
Wetted parts materials			
Seal diaphragm	Process connection		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	
Hastelloy	Hastelloy	C	
Process connection			
• Connection shank G½B to EN 837-1		0	
• Female thread ½-14 NPT		1	
• Oval flange made of stainless steel, max. span 160 bar (2320 psi)			
- Mounting thread 7/16"-20 UNF to IEC 61518		2	
- Mounting thread M10 to DIN 19213		3	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
Inspection certificate to EN 10204-3.1		C12	

Selection and Ordering data		Order No.	
Replacement measuring cell for absolute pressure for SITRANS P DS III (from the pressure series)		7 MF 4 9 9 2 - 0 - 0 DC 0	
Measuring cell filling Measuring cell cleaning			
Silicone oil	Normal	1	
Inert liquid	grease-free to cleanliness level 2	3	
Measured span (min. ... max.)			
8.3 ... 250 mbar a	(0.12 ... 3.62 psia)	D	
43 ... 1300 mbar a	(0.62 ... 18.85 psia)	F	
0.16 ... 5 bar a	(2.32 ... 72.5 psia)	G	
1 ... 30 bar a	(14.5 ... 435 psia)	H	
Wetted parts materials			
Seal diaphragm	Process connection		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	
Hastelloy	Hastelloy	C	
Process connection			
• Connection shank G½B to EN 837-1		0	
• Female thread ½-14 NPT		1	
• Oval flange made of stainless steel, max. span 160 bar (2320 psi)			
- Mounting thread 7/16"-20 UNF to IEC 61518		2	
- Mounting thread M10 to DIN 19213		3	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
Inspection certificate to EN 10204-3.1		C12	

Selection and Ordering data		Order No.	
Replacement measuring cell for absolute pressure (from the differential pressure series) for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus series		7 MF 4 9 9 3 - - 0 DC 0	
Measuring cell filling Measuring cell cleaning			
Silicone oil	Normal	1	
Inert liquid	grease-free to cleanliness level 2	3	
Measured span (min. ... max.)			
8.3 ... 250 mbar a	(0.12 ... 3.62 psia)	D	
43 ... 1300 mbar a	(0.62 ... 18.85 psia)	F	
0.16 ... 5 bar a	(2.32 ... 72.5 psia)	G	
1 ... 30 bar a	(14.5 ... 435 psia)	H	
5.3 ... 100 bar a	(76.9 ... 1450 psia)	KE	
Wetted parts materials			
Seal diaphragm	Parts of measuring cell		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	
Hastelloy	Hastelloy	C	
Tantalum	Tantalum	E	
Monel	Monel	H	
Gold	Gold	L	
Process connection			
Female thread ¼-18 NPT with flange connection			
• Sealing screw opposite process connection			
- Mounting thread M10 to DIN 19213		0	
- Mounting thread 7/16-20 UNF to IEC 61518		2	
• Vent on side of process flange ¹⁾			
- Mounting thread M10 to DIN 19213		4	
- Mounting thread 7/16-20 UNF to IEC 61518		6	
Non-wetted parts materials			
• Stainless steel process flange screws		2	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
O-rings for process flanges (instead of FPM (Viton))			
• PTFE (Teflon)		A20	
• FEP (with silicone core, approved for food)		A21	
• FFPM (Kalrez, compound 4079)		A22	
• NBR (Buna N)		A23	
Inspection certificate		C12	
to EN 10204-3.1			
Process connection G½B		D16	
Remote seal flanges (not together with K01, K02 and K04)		D20	
Vent on side for gas measurements		H02	
Process flanges			
• without		K00	
• with process flange made of			
- Hastelloy		K01	
- Monel		K02	
- Stainless steel with PVDF insert max. PN 10 (MAWP 145 psi) max.temperature of medium 90 °C (194 °F) For ½-14 NPT inner process connection on the side in the middle of the process flange, vent valve not possible		K04	
1) Not for span "5.3 ... 100 bar (76.9 ... 1450 psi)"			

Selection and Ordering data		Order No.	
Replacement measuring cell for differential pressure and PN 32/160 (MAWP 464/2320 psi) for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus series		7 MF 4 9 9 4 - - 0 DC 0	
Measuring cell filling Measuring cell cleaning			
Silicone oil	Normal	1	
Inert liquid	grease-free to cleanliness level 2	3	
Measured span (min. ... max.)			
PN 32 (MAWP 464 psi)		B	
1 ... 20 mbar ¹⁾	(0.4 ... 8 inH ₂ O)		
PN 160 (MAWP 2320 psi)		C	
1 ... 60 mbar	(0.4 ... 24 inH ₂ O)	D	
2.5 ... 250 mbar	(1 ... 100 inH ₂ O)	E	
6 ... 600 mbar	(2.4 ... 240 inH ₂ O)	F	
16 ... 1600 mbar	(6.4 ... 642 inH ₂ O)	G	
50 ... 5000 mbar	(20 ... 2000 inH ₂ O)	H	
0.3 ... 30 bar	(4.35 ... 435 psi)		
Wetted parts materials (stainless steel process flanges)			
Seal diaphragm	Parts of measuring cell		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	
Hastelloy	Hastelloy	C	
Tantalum ²⁾	Tantalum	E	
Monel ²⁾	Monel	H	
Gold ²⁾	Gold	L	
Process connection			
Female thread ¼-18 NPT with flange connection			
• Sealing screw opposite process connection			
- Mounting thread M10 to DIN 19213		0	
- Mounting thread 7/16-20 UNF to IEC 61518		2	
• Vent on side of process flange			
- Mounting thread M10 to DIN 19213		4	
- Mounting thread 7/16-20 UNF to IEC 61518		6	
Non-wetted parts materials			
Stainless steel process flange screws		2	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
O-rings for process flanges (instead of FPM (Viton))			
• PTFE (Teflon)		A20	
• FEP (with silicone core, approved for food)		A21	
• FFPM (Kalrez, compound 4079)		A22	
• NBR (Buna N)		A23	
Inspection certificate		C12	
to EN 10204-3.1			
Remote seal flanges (not together with K01, K02 and K04)		D20	
Vent on side for gas measurements		H02	
Stainless steel process flanges for vertical differential pressure lines (not together with K01, K02 and K04)		H03	
Process flanges			
• without		K00	
• with process flange made of			
- Hastelloy		K01	
- Monel		K02	
- Stainless steel with PVDF insert max. PN 10 (MAWP 145 psi) max. temperature of medium 90 °C (194 °F) For ½-14 NPT inner process connection on the side in the middle of the process flange, vent valve not possible		K04	
1) Not suitable for connection of remote seal			
2) Only together with max. spans 250, 1600, 5000 and 30000 mbar (100 inH ₂ O, 642 inH ₂ O, 2000 inH ₂ O und 435 psi).			

Selection and Ordering data	Order No.
Replacement measuring cell for differential pressure and PN 420 (MAWP 6092 psi) for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus series	7MF4995 - - 0 DC 0
Measuring cell filling Measuring cell cleaning	
Silicone oil Normal	1
Measured span (min. ... max.)	
2.5 ... 250 mbar (1 ... 100 inH ₂ O)	D
6 ... 600 mbar (2.4 ... 240 inH ₂ O)	E
16 ... 1600 mbar (6.4 ... 642 inH ₂ O)	F
50 ... 5000 mbar (20 ... 2000 inH ₂ O)	G
0.3 ... 30 bar (4.35 ... 435 psi)	H
Wetted parts materials (stainless steel process flanges)	
Seal diaphragm Parts of measuring cell	
Stainless steel Stainless steel	A
Hastelloy Stainless steel	B
Gold ¹⁾ Gold	L
Process connection	
Female thread 1/4"-18 NPT with flange connection	
• Sealing screw opposite process connection	
- Mounting thread M12 to DIN 19213	1
- Mounting thread 7/16"-20 UNF to IEC 61518	3
• Vent on side of process flange	
- Mounting thread M12 to DIN 19213	5
- Mounting thread 7/16"-20 UNF to IEC 61518	7
Non-wetted parts materials	
• Stainless steel process flange screws	2
Further designs	Order code
Please add "-Z" to Order No. and specify Order code.	
O-rings for process flanges (instead of FPM (Viton))	
• PTFE (Teflon)	A20
• FEP (with silicone core, approved for food)	A21
• FFKM (Kalrez, compound 4079)	A22
• NBR (Buna N)	A23
Inspection certificate to EN 10204-3.1	C12
Stainless steel process flanges for vertical differential pressure lines	H03
without process flanges	K00

¹⁾ Not together with max. span 600 mbar (240.9 inH₂O)

Selection and Ordering data	Order No.	Selection and Ordering data	Order No.
<i>Spare parts/Accessories</i>		Mounting screws	
Mounting bracket and fastening parts for pressure transmitters SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF403-.....-..C.) For absolute pressure transmitters SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF423-.....-..C.) • made of steel • made of stainless steel	7MF4997-1AB 7MF4997-1AH	For measuring point label, grounding and connection terminals or for display (50 units)	7MF4997-1CD
Mounting bracket and fastening parts for pressure transmitters SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF403-.....-..A., -..B., ..D. and ..F.) For absolute pressure transmitters SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus 7MF423-.....-..A., -..B., ..D. and ..F.) • made of steel • made of stainless steel ▶	7MF4997-1AC 7MF4997-1AJ	Sealing screws (1 set = 2 units) for process flange • made of stainless steel • made of Hastelloy	7MF4997-1CG 7MF4997-1CH
Mounting and fastening brackets <u>For differential pressure transmitters with flange thread M10</u> SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF433-.... and 7MF443-....) • made of steel • made of stainless steel ▶	7MF4997-1AD 7MF4997-1AK	Sealing screws with vent valve Complete (1 set = 2 units) • made of stainless steel • made of Hastelloy ▶	7MF4997-1CP 7MF4997-1CQ
Mounting and fastening brackets <u>For differential pressure transmitters with flange thread M12</u> SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF453-....) • made of steel • made of stainless steel	7MF4997-1AE 7MF4997-1AL	Electronics • for SITRANS P DS III with HART • for SITRANS P DS III with PROFIBUS PA • for SITRANS P DS III with FOUNDATION Fieldbus	7MF4997-1DK 7MF4997-1DL 7MF4997-1DM
Mounting and fastening brackets <u>For differential and absolute pressure transmitters with flange thread 7/16 -20 UNF</u> SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus (7MF433-...., 7MF443-.... and 7MF453-....) • made of steel • made of stainless steel	7MF4997-1AF 7MF4997-1AM	Connection board • for SITRANS P DS III • for SITRANS P DS III PROFIBUS PA and FOUNDATION Fieldbus	7MF4997-1DN 7MF4997-1DP
Cover made of die-cast aluminum, including gasket, for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus • without window • with window ▶	7MF4997-1BB 7MF4997-1BE	O-rings for process flanges made of: • FPM (Viton) • PTFE (Teflon) • FEP (with silicone core, approved for food) • FFPM (Kalrez, compound 4079) • NBR (Buna N)	7MF4997-2DA 7MF4997-2DB 7MF4997-2DC 7MF4997-2DD 7MF4997-2DE
Cover made of stainless steel, including gasket, for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus • without window • with window	7MF4997-1BC 7MF4997-1BF 7MF4997-1BR	Sealing ring for process connection	see "Fittings"
Digital indicator Including mounting material for SITRANS P DS III with HART, DS III with PROFIBUS PA and DS III with FOUNDATION Fieldbus		Weldable sockets for PMC connection • PMC Style Standard: Thread 1½" • PMC Style Minibolt: front-flush 1"	7MF4997-2HA 7MF4997-2HB
Measuring point label • without inscription (5 units) • Printed (1 unit) Data according to Y01 or Y02, Y15, Y16 and Y99 (see "Pressure transmitters")	7MF4997-1CA 7MF4997-1CB-Z Y.:	Gaskets for PMC connection (packing unit = 5 units) • PTFE seal for PMC Style Standard: Thread 1½" • Gasket made of Viton for PMC Style Minibolt: front-flush 1"	7MF4997-2HC 7MF4997-2HD
		Weldable socket for TG52/50 and TG52/150 connection • TG52/50 connection • TG52/150 connection	7MF4997-2HE 7MF4997-2HF
		Seals for TG 52/50 and TG 52/150 made of silicone	7MF4997-2HG
		Seals for flange connection with front-flush diaphragm Material FPM (Viton), 10 units • DN 25, PN 40 (M11) • DN 25, PN 100 (M21) • 1", class 150 (M40) • 1", class 300 (M45) ▶ available ex stock	7MF4997-2HH 7MF4997-2HJ 7MF4997-2HK 7MF4997-2HL

Selection and Ordering data	Order No.
Operating Instructions¹⁾ • for SITRANS DS III with HART - German - English - French - Spanish - Italian • for SITRANS DS III with PROFIBUS PA - German - English - French - Spanish - Italian • for SITRANS DS III with FOUNDATION Fieldbus - German - English	A5E00047090 A5E00047092 A5E00053218 A5E00053219 A5E00053220 A5E00053275 A5E00053276 A5E00053277 A5E00053278 A5E00053279 A5E00279629 A5E00279627
Compact operating instructions The compact operating instructions are available in 21 EU languages on the product CD supplied with each transmitter. They can also be downloaded from the SITRANS P web page.	
Brief instruction (Leporello) German, English • for SITRANS DS III with HART - German, English • for SITRANS DS III with PROFIBUS PA - German, English • for SITRANS DS III with FOUNDATION Fieldbus - German, English	A5E00047093 A5E00053274 A5E00282355
CD with SITRANS P documentation German, English, French, Spanish, Italian incl. compact operating instructions in 21 EU languages	A5E00090345
Certificates (order only via SAP) instead of Internet download • hard copy (to order) • on CD (to order)	A5E03252406 A5E03252407
Operating Instructions for replacement of electronics, measuring cell and connection board (only available from the Internet) ¹⁾	A5E00078060
HART modem • with RS232 interface • with USB interface	7MF4997-1DA 7MF4997-1DB
Supplementary electronics for 4-wire connection	See page 1/157

► available ex stock

Power supply units see Chap. 7 "Supplementary Components".

¹⁾ You can download these operating instructions free-of-charge from our Internet site at www.siemens.com/sitranasp.