

Selection and Ordering data		Order No.	
Replacement measuring cell for pressure for SITRANS P, DS III, DS III PA and DS III FF series		7MF4990 - 0 - 0DC0	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
Measured span			
0.01 ... 1 bar g	(0.15 ... 14.5 psi g)	B	
0.04 ... 4 bar g	(0.58 ... 58 psi g)	C	
0.16 ... 16 bar g	(2.32 ... 232 psi g)	D	
0.63 ... 63 bar g	(9.14 ... 914 psi g)	E	
1.6 ... 160 bar g	(23.2 ... 2320 psi g)	F	
4.0 ... 400 bar g	(58.0 ... 5802 psi g)	G	
Wetted parts materials			
Seal diaphragm	Process connection		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	F)
Hastelloy	Hastelloy	C	F)
Process connection			
• Connection shank G½A 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 EN 61518		2	
- Mounting thread M10 to DIN 19213		3	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
Acceptance test certificate to EN 10204-3.1		C12	

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
Replacement measuring cell for absolute pressure (from the pressure series) for SITRANS P, DS III, DS III PA and DS III FF series		F) 7MF4992 - 0 - 0DC0	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
Measured span			
8.3 ... 250 mbar a	(0.12 ... 3.63 psi a)	D	
43 ... 1300 mbar a	(0.62 ... 18.9 psi a)	F	
0.16 ... 5 bar a	(2.32 ... 72.5 psi a)	G	
1 ... 30 bar a	(14.5 ... 435 psi a)	H	
Wetted parts materials			
Seal diaphragm	Process connection		
Stainless steel	Stainless steel	A	
Hastelloy	Stainless steel	B	
Hastelloy	Hastelloy	C	
Process connection			
• Connection shank G½A 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 EN 61518		2	
- Mounting thread M10 to DIN 19213		3	
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code.			
Acceptance test certificate to EN 10204-3.1		C12	

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
Spare parts / Accessories			
Replacement measuring cell for absolute pressure (from the differential pressure series) for SITRANS P, DS III, DS III PA and DS III FF series		F)	7 MF 4 9 9 3 - - 0 DC 0
Measuring cell filling Measuring cell cleaning			
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
Measured span			
8.3 ... 250 mbar a	(0.12 ... 3.63 psi a)	E)	D
43 ... 1300 mbar a	(0.62 ... 18.9 psi a)	E)	F
0.16 ... 5 bar a	(2.32 ... 72.5 psi a)	E)	G
1 ... 30 bar a	(14.5 ... 435 psi a)		H
5.3 ... 100 bar a	(76.9 ... 1450 psi a)		K E
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	E)	H
Gold	Gold		L
Process connection			
Female thread 1/4-18 NPT with flange connection			
• Sealing screw opposite process connection			
- Mounting thread M10 to DIN 19213			0
- Mounting thread 7/16-20 UNF to EN 61518			2
• Vent on side of process flange 1)			
- Mounting thread M10 to DIN 19213			4
- Mounting thread 7/16-20 UNF to EN 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	
Acceptance test certificate		C12	
to EN 10204-3.1			
Process connection G1/2A		D16	
Remote seal flanges		D20	
(not together with K01, K02 and K04)			
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		K04	
max. PN 10 (MWP 145 psi)			
max. temperature of medium 90 °C (194 °F)			

¹⁾ Not for span "5.3 ... 100 bar (76.9 ... 1450 psi)"

E) Combinations of the versions marked with E) are subject to the export regulations AL: 2B230, ECCN: N.

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
Spare parts / Accessories			
Replacement measuring cell for differential pressure and PN 32/160 (MWP 464/2320 psi) for SITRANS P, DS III, DS III PA and DS III FF series		7 MF 4 9 9 4 -	
			0 DC 0
Measuring cell filling		Measuring cell cleaning	
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
Measured span			
PN 32 (MWP 464 psi)			
1 ... 20 mbar ¹⁾	(0.4015 ... 8.03 inH ₂ O)	B	
PN 160 (MWP 2320 psi)			
1 ... 60 mbar	(0.4015 ... 24.09 inH ₂ O)	C	
2.5 ... 250 mbar	(1.004 ... 100.4 inH ₂ O)	D	
6 ... 600 mbar	(2.409 ... 240.9 inH ₂ O)	E	
16 ... 1600 mbar	(6.424 ... 642.4 inH ₂ O)	F	
50 ... 5000 mbar	(20.08 ... 2008 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	F) B	
Hastelloy	Hastelloy	F) C	
Tantalum ²⁾	Tantalum	E	
Monel ²⁾	Monel	F) H	
Gold ²⁾	Gold	L	
Process connection			
Female thread 1/4-18 NPT with flange connection			
• Sealing screw opposite process connection			
- Mounting thread M10 to DIN 19213		0	
- Mounting thread 7/16-20 UNF to EN 61518		2	
• Vent on side of process flange			
- Mounting thread M10 to DIN 19213		4	
- Mounting thread 7/16-20 UNF to EN 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	
Acceptance test certificate		C12	
to EN 10204-3.1			
Remote seal flanges		D20	
(not together with K01, K02 and K04)			
Vent on side for gas measurements		H02	
Stainless steel process flanges for vertical differential pressure lines		H03	
(not together with K01, K02 and K04)			
Process flanges			
• without		K00	
• with process flange made of			
- Hastelloy		F) K01	
- Monel		F) K02	
- Stainless steel with PVDF insert		K04	
max. PN 10 (MWP 145 psi)			
max. temperature of medium 90 °C (194 °F)			

¹⁾ Not suitable for connection of remote seal

²⁾ Only together with max. spans 250, 1600, 5000 and 30000 mbar (3.63, 23.2, 72.5 and 435 psi).

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
<i>Spare parts / Accessories</i>			
Replacement measuring cell for differential pressure and PN 420 (MWP 6092 psi) for SITRANS P, DS III, DS III PA and DS III FF series		7MF4995 - - 0DC0	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Measured span			
2.5 ... 250 mbar	(1.004 ... 100.4 inH ₂ O)	D	
6 ... 600 mbar	(2.409 ... 240.9 inH ₂ O)	E	
16 ... 1600 mbar	(6.424 ... 642.4 inH ₂ O)	F	
50 ... 5000 mbar	(20.08 ... 2008 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 EN 61518		3	
• Vent on side of process flange			
- Mounting thread M12 to DIN 19213		5	
- Mounting thread 7/16-20 UNF to EN 61518		7	
Non-wetted parts materials			
• Stainless steel process flange screws		2	
<i>Further designs</i>		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	
Acceptance test 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)

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
<i>Spare parts / Accessories</i>			
Replacement measuring cell for level for SITRANS P, DS III, DS III PA and DS III FF series		7MF4996 - - 0DC0	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Rated measuring range			
250 mbar	(3.63 psi)	D	
600 mbar	(8.70 psi)	E	
1600 mbar	(23.2 psi)	F	
5 bar	(72.5 psi)	G	
Wetted parts materials (stainless steel process flanges)			
Seal diaphragm	Parts of measuring cell		
Stainless steel	Stainless steel	A	
Process connection of low-pressure side Female thread 1/4-18 NPT with flange connection			
• Sealing screw opposite process connection			
- Mounting thread M10 to DIN 19213		0	
- Mounting thread 7/16-20 UNF to EN 61518		2	
Non-wetted parts materials			
• Stainless steel process flange screws		2	
<i>Further designs</i>		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	
Acceptance test certificate to EN 10204-3.1		C12	
without process flanges		K00	

Selection and Ordering data	Order No.		Selection and Ordering data	Order No.	
Spare parts / Accessories			Sealing screws		
Mounting bracket and mounting parts <u>for pressure transmitters</u> MKII series (7MF4010-.....-1.C.) DS III, DS III PA and DS III FF series (7MF403-.....-..C.) <u>for absolute pressure transmitters</u> DS III, DS III PA and DS III FF series (7MF423-.....-..C.) • made of steel • made of stainless steel	7MF4997-1AB 7MF4997-1AH		(1 set = 2 off) for process flange • made of stainless steel • made of Hastelloy	F)	7MF4997-1CG 7MF4997-1CH
Mounting bracket and mounting parts <u>for pressure transmitters</u> MKII series (7MF4010-.....-1.A., -1.B. and -1.D.) DS III, DS III PA and DS III FF series (7MF403-.....-..A., -..B. and -..D.) <u>for absolute pressure transmitters</u> DS III, DS III PA and DS III FF series (7MF423-.....-..A., -..B. and -..D.) • Made of steel • Made of stainless steel	7MF4997-1AC ▶ 7MF4997-1AJ		Vent valves complete (1 set = 2 off) • made of stainless steel • made of Hastelloy	▶ F)	7MF4997-1CP 7MF4997-1CQ
Mounting bracket and mounting parts <u>for differential pressure transmitters with flange thread M10</u> DS III, DS III PA and DS III FF series (7MF433-.... and 7MF443-....) • made of steel • made of stainless steel	7MF4997-1AD ▶ 7MF4997-1AK		Electronics • for DS III series • for DS III PA series • for DS III FF series		7MF4997-1DK 7MF4997-1DL 7MF4997-1DM
Mounting bracket and mounting parts <u>for differential pressure transmitters with flange thread M12</u> DS III, DS III PA and DS III FF series (7MF453-....) • made of steel • made of stainless steel	7MF4997-1AE 7MF4997-1AL		Connection board • for DS III series • for DS III PA and DS III FF series		7MF4997-1DN 7MF4997-1DP
Mounting bracket and mounting parts <u>for differential and absolute pressure transmitters with flange thread 7/16-20 UNF</u> DS III, DS III PA and DS III FF series (7MF433-...., 7MF443-.... and 7MF453-....) • made of steel • made of stainless steel	7MF4997-1AF 7MF4997-1AM		O-rings for process flanges made of • FPM (Viton) • PTFE (Teflon) • FEP (with silicone core, approved for food) • FPPM (Kalrez, compound 4079) • NBR (Buna N)	F) F) F) F) F)	7MF4997-2DA 7MF4997-2DB 7MF4997-2DC 7MF4997-2DD 7MF4997-2DE
Cover Made of die-cast aluminium, including gasket, for MK II, DS III, DS III PA and DS III FF series • without window • with window	F) ▶ F)	7MF4997-1BB 7MF4997-1BE	Weldable sockets for PMC connection for DS III and P300 series • PMC Style Standard: Thread 1½" • PMC Style Mini bolt: front-flush 1"		7MF4997-2HA 7MF4997-2HB
Cover Made of stainless steel, including gasket, for DS III, DS III PA and DS III FF series • without window • with window	F) ▶ F)	7MF4997-1BC 7MF4997-1BF	Sealing rings for PMC connection (packing unit: 5 pcs) • Sealing ring made of PTFE for PMC Style Standard: Thread 1½" • Sealing ring made of Viton for PMC Style Minibolt: front-flush 1"	F) F)	7MF4997-2HC 7MF4997-2HD
Analog indicator • Scale 0 ... 100% • Customer-specific scale divisions as specified in plain text		7MF4997-1BN 7MF4997-1BP-Z Y20:	Welding adapter for PMC connection to prevent the weldable socket to warp during welding, for: • PMC Style Standard: Thread 1½" • PMC Style Mini bolt: front-flush 1"		7MF4997-2HE 7MF4997-2HF
Digital indicator Including mounting material for DS III, DS III PA and DS III FF series		7MF4997-1BR	Mounting bracket and mounting parts for P300 • Made of stainless steel		7MF8997-1AA
Measuring-point label • without inscription (5 off) • with inscription (1 off) Data according to Y01 or Y02, Y15 and Y16 (see "SITRANS P pressure transmitters")		7MF4997-1CA 7MF4997-1CB-Z Y...:	Lid without window for P300 • Gasket not included		7MF8997-1BA
Mounting screws for measuring-point label, earthing and connection terminals or for digital indicator (50 off)		7MF4997-1CD	Lid with glass window for P300 • Gasket not included		7MF8997-1BD 7MF8997-1BG
			NBR housing gasket for P300		
			Measuring point label for P300 • Unlabeled		7MF8997-1CA
			Cable gland for P300 • Metal • Plastic (blue)	F) F)	7MF8997-1EA 7MF8997-1EB
			▶ Available ex stock		
			F) Subject to export regulations AL: 9I999, ECCN: N.		

Selection and Ordering data	Order No.
Instruction Manual¹⁾ <ul style="list-style-type: none"> for MK II series <ul style="list-style-type: none"> German, English French, Spanish, Italian for P300 series with HART communication <ul style="list-style-type: none"> German English French Spanish Italian Leporello German/English for P300 series with PROFIBUS PA communication <ul style="list-style-type: none"> German English French Spanish Italian Leporello German/English for DS III series <ul style="list-style-type: none"> German English French Spanish Italian for DS III PA series <ul style="list-style-type: none"> German English French Spanish Italian for DS III FF series <ul style="list-style-type: none"> German English (planned) French (planned) Spanish (planned) Italian (planned) Brief instructions (Leporello) <ul style="list-style-type: none"> for DS III series, German, English for DS III PA series, German, English for DS III FF series, German, English 	C73000-B5674-C100 C73000-B5650-C100 A5E00359580 A5E00359579 A5E00359578 A5E00359576 A5E00359577 A5E00359581 A5E00414587 A5E00414588 A5E00414589 A5E00414590 A5E00414591 A5E00414592 A5E00047090 A5E00047092 A5E00053218 A5E00053219 A5E00053220 A5E00053275 A5E00053276 A5E00053277 A5E00053278 A5E00053279 A5E00279627 A5E00279629 A5E00279630 A5E00279632 A5E00279631 A5E00047093 A5E00053274 A5E00282355
CD with documentation	D) A5E00090345
for MK II, P300, DS III, DS III PA and DS III FF series German, English, French, Italian, Spanish	
Instruction Manual	
for replacement of electronics, measuring cell and connection board	
<ul style="list-style-type: none"> German/English 	A5E00078060
HART modem	
<ul style="list-style-type: none"> with RS232 interface 	▶ 7MF4997-1DA D)
<ul style="list-style-type: none"> with USB interface 	▶ 7MF4997-1DB D)
Supplementary electronics for 4-wire connection	see page 2/126

▶ Available ex stock

Power supply units see "SITRANS I power supply units and input isolators".

¹⁾ You can download the Instruction Manuals free-of-charge from the Internet site www.siemens.com/sitransp.

D) Subject to export regulations AL: N, ECCN: EAR99H.

F) Subject to export regulations AL: 91999, ECCN: N.