

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 - 0 DC 0	
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	
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		C12	
to EN 10204-3.1			

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		7MF4992 - 0 - 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)	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		C12	
to EN 10204-3.1			

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			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 max. PN 10 (MWP 145 psi) max. temperature of medium 90 °C (194 °F)			K04	

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.

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	B
Hastelloy	Hastelloy	C
Tantalum ²⁾	Tantalum	E
Monel ²⁾	Monel	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		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 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).

Selection and Ordering data		Order No.
Spare parts / Accessories		
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		7 MF 4 9 9 5 - - 0 DC 0
Measuring cell filling	Measuring cell cleaning	1
Silicone oil	Standard	
Measured span		
2.5 ... 250 mbar	(1.004 ... 100.4 inH ₂ O)	
6 ... 600 mbar	(2.409 ... 240.9 inH ₂ O)	
16 ... 1600 mbar	(6.424 ... 642.4 inH ₂ O)	D
50 ... 5000 mbar	(20.08 ... 2008 inH ₂ O)	E
0.3 ... 30 bar	(4.35 ... 435 psi)	F
Wetted parts materials		G
(stainless steel process flanges)		H
Seal diaphragm	Parts of measuring cell	A B L
Stainless steel	Stainless steel	
Hastelloy	Stainless steel	
Gold ¹⁾	Gold	
Process connection		1 3 5 7
Female thread 1/4-18 NPT with flange connection		
• Sealing screw opposite process connection		
- Mounting thread M12 to DIN 19213		
- Mounting thread 7/16-20 UNF to EN 61518		
• Vent on side of process flange		2
- Mounting thread M12 to DIN 19213		
- Mounting thread 7/16-20 UNF to EN 61518		
Non-wetted parts materials		2
• Stainless steel process flange screws		
Further designs		Order code
Please add "-Z" to Order No. and specify Order code.		A20 A21 A22 A23 C12 K00
O-rings for process flanges		
(instead of FPM (Viton))		
• PTFE (Teflon)		
• FEP (with silicone core, approved for food)		
• FFPM (Kalrez, compound 4079)		C12
• NBR (Buna N)		
Acceptance test certificate		K00
to EN 10204-3.1		
without process flanges		
Stainless steel process flanges for vertical differential pressure lines		K00
without process flanges		

Selection and Ordering data		Order No.
Spare parts / Accessories		
Replacement measuring cell for level for SITRANS P, DS III, DS III PA and DS III FF series		7 MF 4 9 9 6 -  - 0 DC 0
Measuring cell filling Silicone oil	Measuring cell cleaning Standard	 

Selection and Ordering data	Order No.	Selection and Ordering data	Order No.
<u>Spare parts / Accessories</u>			
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.) <ul style="list-style-type: none"> made of steel made of stainless steel 	7MF4997-1AB 7MF4997-1AH	Sealing screws (1 set = 2 off) for process flange <ul style="list-style-type: none"> made of stainless steel made of Hastelloy Vent valves complete (1 set = 2 off) <ul style="list-style-type: none"> made of stainless steel made of Hastelloy 	7MF4997-1CG 7MF4997-1CH 7MF4997-1CP 7MF4997-1CQ
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.) <ul style="list-style-type: none"> Made of steel Made of stainless steel 	7MF4997-1AC 7MF4997-1AJ	Electronics <ul style="list-style-type: none"> for DS III series for DS III PA series for DS III FF series Connection board <ul style="list-style-type: none"> for DS III series for DS III PA and DS III FF series 	7MF4997-1DK 7MF4997-1DL 7MF4997-1DM 7MF4997-1DN 7MF4997-1DP
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-....) <ul style="list-style-type: none"> made of steel made of stainless steel 	7MF4997-1AD 7MF4997-1AK	O-rings for process flanges made of <ul style="list-style-type: none"> 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
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-....) <ul style="list-style-type: none"> made of steel made of stainless steel 	7MF4997-1AE 7MF4997-1AL	Weldable sockets for PMC connection for DS III and P300 series <ul style="list-style-type: none"> PMC Style Standard: Thread 1½" PMC Style Mini bolt: front-flush 1" 	7MF4997-2HA 7MF4997-2HB 7MF4997-2HC 7MF4997-2HD
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-....) <ul style="list-style-type: none"> made of steel made of stainless steel 	7MF4997-1AF 7MF4997-1AM	Sealing rings for PMC connection (packing unit: 5 pcs) <ul style="list-style-type: none"> Sealing ring made of PTFE for PMC Style Standard: Thread 1½" Sealing ring made of Viton for PMC Style Minibolt: front-flush 1" 	7MF4997-2HE 7MF4997-2HF
Cover Made of die-cast aluminium, including gasket, for MK II, DS III, DS III PA and DS III FF series <ul style="list-style-type: none"> without window with window 	7MF4997-1BB 7MF4997-1BE	Welding adapter for PMC connection to prevent the weldable socket to warp during welding, for: <ul style="list-style-type: none"> PMC Style Standard: Thread 1½" PMC Style Mini bolt: front-flush 1" 	7MF4997-2HE 7MF4997-2HF
Cover Made of stainless steel, including gasket, for DS III, DS III PA and DS III FF series <ul style="list-style-type: none"> without window with window 	7MF4997-1BC 7MF4997-1BF	Mounting bracket and mounting parts for P300 <ul style="list-style-type: none"> Made of stainless steel Lid without window for P300 <ul style="list-style-type: none"> Gasket not included Lid with glass window for P300 <ul style="list-style-type: none"> Gasket not included NBR housing gasket for P300 Measuring point label for P300 <ul style="list-style-type: none"> Unlabeled Cable gland for P300 <ul style="list-style-type: none"> Metal Plastic (blue) 	7MF8997-1AA 7MF8997-1BA 7MF8997-1BD 7MF8997-1BG 7MF8997-1CA 7MF8997-1EA 7MF8997-1EB
Analog indicator <ul style="list-style-type: none"> Scale 0 ... 100% Customer-specific scale divisions as specified in plain text 	7MF4997-1BN 7MF4997-1BP-Z Y20:	▶ Available ex stock	
Digital indicator Including mounting material for DS III, DS III PA and DS III FF series	7MF4997-1BR		
Measuring-point label <ul style="list-style-type: none"> 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...:		
Mounting screws for measuring-point label, earthing and connection terminals or for digital indicator (50 off)	7MF4997-1CD		

Selection and Ordering data		Order No.
Instruction Manual ¹⁾		
• for MK II series		
- German, English		C73000-B5674-C100
- French, Spanish, Italian		C73000-B5650-C100
• for P300 series with HART communication		
- German		A5E00359580
- English		A5E00359579
- French		A5E00359578
- Spanish		A5E00359576
- Italian		A5E00359577
- Leporello German/English		A5E00359581
• for P300 series with PROFIBUS PA communication		
- German		A5E00414587
- English		A5E00414588
- French		A5E00414589
- Spanish		A5E00414590
- Italian		A5E00414591
- Leporello German/English		A5E00414592
• for DS III series		
- German		A5E00047090
- English		A5E00047092
- French		A5E00053218
- Spanish		A5E00053219
- Italian		A5E00053220
• for DS III PA series		
- German		A5E00053275
- English		A5E00053276
- French		A5E00053277
- Spanish		A5E00053278
- Italian		A5E00053279
• for DS III FF series		
- German		A5E00279627
- English (planned)		A5E00279629
- French (planned)		A5E00279630
- Spanish (planned)		A5E00279632
- Italian (planned)		A5E00279631
Brief instructions (Leporello)		
• for DS III series, German, English		A5E00047093
• for DS III PA series, German, English		A5E00053274
• for DS III FF series, German, English		A5E00282355
CD with documentation		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		
• German/English		A5E00078060
HART modem		
• with RS232 interface	▶	7MF4997-1DA ^{D)}
• with USB interface	▶	7MF4997-1DB ^{D)}
Supplementary electronics for 4-wire connection	see page 2/123	

▶ 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.