Selection and Orde	ering data		Orde	er N	Vo.
Replacement measuring cell for pressure for SITRANS P, DS III, DS III PA and DS III FF series		7 M F 4 9 9 0 -			
	n, be in the and be in the conte				0 - 0 D C 0
•	ng 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)		В		
0.04 4 bar g	(0.58 58 psi g)		С		
0.16 16 bar g	(2.32 232 psi g)		D		
0.63 63 bar g	(9.14 914 psi g)		Е		
1.6 160 bar g	(23.2 2320 psi g)		F		
4.0 400 bar g	(58.0 5802 psi g)		G		
Wetted parts mate	rials				
Seal diaphragm	Process connection				
Stainless steel	Stainless steel	-	Α		
Hastelloy	Stainless steel	F)	В	3	
Hastelloy	Hastelloy	F)	C	;	
Process connection	n				
 Connection shank 	: G1/2A to EN 837-1			0	
• Female thread 1/2-	14 NPT			1	
 Oval flange made 					
max. span 160 ba					
	⁷ / ₁₆ -20 UNF to EN 61518			2	
- Mounting thread	M10 to DIN 19213			3	
Further designs			Orde	er c	code
Please add "-Z" to C Order code.	Order No. and specify				
Acceptance test ce	ertificate		C12		
to EN 10204-3.1					

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

Selection and Order	ring data	Ord	er No.		
		7 M I	7MF4992-		
for SITRANS P. DS III	pressure series) , DS III PA and DS III FF series		0 - 0 DC 0		
Silicone oil	g Measuring cell cleaning Standard				
Inert liquid	Grease-free	1			
	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)	_ н			
Wetted parts materi	als				
Seal diaphragm	Process connection				
Stainless steel	Stainless steel	1	A		
Hastelloy	Stainless steel	1	3		
Hastelloy	Hastelloy	(0		
Process connection	1				
• Connection shank	G1⁄2A to EN 837-1		0		
• Female thread 1/2-1-	4 NPT		1		
Oval flange made of					
max. span 160 bar					
	7/ ₁₆ -20 UNF to EN 61518		2		
 Mounting thread I 	M10 to DIN 19213		3		
Further designs	<u> </u>	Ord	er code		
Please add "-Z" to Or Order code.	der No. and specify				
Acceptance test cer	rtificate	C12			
to EN 10204-3.1					

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

Selection and Ordering data			Order No.		
Spare parts / Access	ories				
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 M F 4 9 9 3 -		
Measuring cell filling Silicone oil	Measuring cell cleaning Standard		1		
Inert liquid	Grease-free		3		
·	arease free				
Measured span	(0.40 0.00 == ! =)	_\			
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)		KE		
Wetted parts materia	ls				
Seal diaphragm	Parts of measuring cell				
Stainless steel	Stainless steel	-	Α		
Hastelloy	Stainless steel		В		
Hastellov	Hastelloy		c		
Tantalum	Tantalum		E		
Monel	Monel	E)	H		
Gold	Gold	L)	Ü		
	dold		-		
Process connection	DT 111 (1				
	PT with flange connection				
	site process connection				
- Mounting thread M			0		
	₁₆ -20 UNF to EN 61518		2		
 Vent on side of proce 					
- Mounting thread M			4		
- Mounting thread '/	₁₆ -20 UNF to EN 61518		6		
Non-wetted parts ma	terials				
• Stainless steel proce	ess flange screws		2		
Further designs Please add "-Z" to Ord	er No. and specify		Order code		
Order code.					
O-rings for process f	langes				
(instead of FPM (Viton					
PTFE (Teflon)	•		A20		
,	re, approved for food)		A21		
• FFPM (Kalrez, comp			A22		
NBR (Buna N)	,		A23		
,	idia ata		040		
Acceptance test cert to EN 10204-3.1	inicate		C12		
Process connection	G½A		D16		
Remote seal flanges			D20		
(not together with K01	•		1100		
Vent on side for gas	measurements		H02		
Process flanges					
without			K00		
• with process flange	made of				
- Hastelloy			K01		
- Monel			K02		
- Stainless steel with			K04		
max. PN 10 (MWP					
max. temperature	of medium 90 °C (194 °F)				
1) Not for span "5.3	100 bar (76.9 1450 psi)"				
Notion spain 5.5	100 bai (10.3 1400 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: 9I999, ECCN: N.

Selection and Ordering	ng data	0	rde	er N	Vo.
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	7 M F 4 9 9 4 -		
Measuring cell filling Silicone oil Inert liquid	Measuring cell cleaning Standard Grease-free	1			
	Grease-free	_ 3			
Measured span PN 32 (MWP 464 psi) 1 20 mbar ¹⁾	(0.4015 8.03 inH ₂ O)		В		
PN 160 (MWP 2320 ps	(i:				
1 60 mbar 2.5 250 mbar 6 600 mbar 16 1600 mbar 50 5000 mbar 0.3 30 bar	(0.4015 24.09 inH ₂ O) (1.004 100.4 inH ₂ O) (2.409 240.9 inH ₂ O) (6.424 642.4 inH ₂ O) (20.08 2008 inH ₂ O) (4.35 435 psi)		C D E F G		
Wetted parts material					
(stainless steel proces	9 /				
Seal diaphragm	Parts of measuring cell				
Stainless steel Hastelloy Hastelloy Tantalum ²⁾ Monel ²⁾ Gold ²⁾	Stainless steel Stainless steel F Hastelloy F Tantalum Monel Gold F Gold)	A B C E H L	3 ;	
Non-wetted parts ma	10 to DIN 19213 ₁₆ -20 UNF to EN 61518 terials	_		4	
Stainless steel process flange screws Further designs Please add "-Z" to Order No. and specify Order code.			rde		code
O-rings for process fl (instead of FPM (Viton) • PTFE (Teflon) • FEP (with silicone co • FFPM (Kalrez, compo • NBR (Buna N)	langes i)) re, approved for food)	Ai Ai Ai	21		
Acceptance test certito EN 10204-3.1	ficate	C.	12		
Remote seal flanges (not together with K01, K02 and K04)			20		
Vent on side for gas measurements		Н)2		
Stainless steel process flanges for vertical differential pressure lines (not together with K01, K02 and K04)		Н	03		
Process flanges • without • with process flange r - Hastelloy - Monel - Stainless steel with max. PN 10 (MWP)	F PVDF insert	K() K()	01		
max. temperature of	of medium 90 °C (194 °F)				

Not suitable for connection of remote seal
 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.

Spare parts / Accessories Replacement measuring cell for differential 7 M F 4 9	
Replacement measuring cell for differential 7 M F 4 9	
pressure and PN 420 (MWP 6092 psi) for SITRANS P, DS III, DS III PA and DS III FF series	995- - 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 F) Gold L	
Process connection	
Female thread ¼-18 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 - Mounting thread M12 to DIN 19213 - Mounting thread ⁷ / ₁₆ -20 UNF to EN 61518 7	
Non-wetted parts materials • Stainless steel process flange screws	2
Further designs Order of	ode
Please add "-Z" to Order No. and specify Order code.	
O-rings for process flanges (instead of FPM (Viton)) • PTFE (Teflon) • FEP (with silicone core, approved for food) • FFPM (Kalrez, compound 4079) • NBR (Buna N) A23	
Acceptance test certificate to EN 10204-3.1	
Stainless steel process flanges for vertical dif- ferential pressure lines	
without process flanges K00	

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

Selection and Ordering	ı data	Order No.
Spare parts / Accessor	ries	
Replacement measuring cell for level for SITRANS P, DS III, DS III PA and DS III FF series		7 M F 4 9 9 6 -
Measuring cell filling Silicone oil	Measuring cell cleaning Standard	1
Rated measuring range 250 mbar 600 mbar 1600 mbar 5 bar	(3.63 psi) (8.70 psi) (23.2 psi) (72.5 psi)	D E F G
Wetted parts materials (stainless steel process	flanges)	
Seal diaphragm	Parts of measuring cell	
Stainless steel	Stainless steel	Α
Female thread 1/4-18 NP connection • Sealing screw opposit - Mounting thread M10 - Mounting thread ⁷ / ₁₆	e process connection) to DIN 19213	0 2
Non-wetted parts mate Stainless steel process		2
Further designs Please add "-Z" to Order code.	No. and specify Order	Order code
O-rings for process fla (instead of FPM (Viton)) • PTFE (Teflon) • FEP (with silicone core • FFPM (Kalrez, compou • NBR (Buna N)	, approved for food)	A20 A21 A22 A23
Acceptance test certification to EN 10204-3.1	cate	C12
without process flange	s	K00

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

Selection and Ordering data	Order No.	Selection and Ordering data	Order No.
Spare parts / Accessories	0.40.1.0.	Sealing screws	0.46
Mounting bracket and mounting parts		(1 set = 2 off) for process flange	
for pressure transmitters		made of stainless steel	7MF4997-1CG
MKII series (7MF40101.C.)		made of Hastelloy F)	7MF4997-1CH
DS III, DS III PA and DS III FF series		Vent valves complete (1 set = 2 off)	
(7MF403C.) for absolute pressure transmitters			7MF4997-1CP
DS III, DS III PA and DS III FF series		made of Hastelloy F)	7MF4997-1CQ
(7MF423C.)		Electronics	
made of steel	7MF4997-1AB	for DS III series	7MF4997-1DK
 made of stainless steel 	7MF4997-1AH	for DS III PA series	7MF4997-1DL
Mounting bracket and mounting parts		for DS III FF series	7MF4997-1DM
for pressure transmitters		Connection board	
MKII series (7MF40101.A., -1.B. and - 1.D.)		• for DS III series	7MF4997-1DN
DS III, DS III PA and DS III FF series		 for DS III PA and DS III FF series 	7MF4997-1DP
(7MF403A.,B. andD.)		O-rings for process flanges made of	
for absolute pressure transmitters DS III, DS III PA and DS III FF series		• FPM (Viton)	7MF4997-2DA
(7MF423A.,B. andD.)		PTFE (Teflon) F)	7MF4997-2DB
Made of steel	7MF4997-1AC		7MF4997-2DC
Made of stainless steel	7MF4997-1AJ	, , , , , , , , , , , , , , , , , , , ,	7MF4997-2DD
Mounting bracket and mounting parts		• NBR (Buna N) F)	7MF4997-2DE
for differential pressure transmitters with flange		Weldable sockets for PMC connection	
thread M10		for DS III and P300 series	78454007 0114
DS III, DS III PA and DS III FF series (7MF433 and 7MF443)		 PMC Style Standard: Thread 1½" PMC Style Mini bolt: front-flush 1" 	7MF4997-2HA 7MF4997-2HB
• made of steel	7MF4997-1AD	· ·	/WIF499/-2FID
made of stainless steel	7MF4997-1AK	Sealing rings for PMC connection (packing unit: 5 pcs)	
Mounting bracket and mounting parts			7MF4997-2HC
for differential pressure transmitters with flange		Standard: Thread 11/2"	71111 1007 2110
thread M12			7MF4997-2HD
DS III, DS III PA and DS III FF series (7MF453)		Minibolt: front-flush 1"	
• made of steel	7MF4997-1AE	Welding adapter for PMC connection	
made of stainless steel	7MF4997-1AL	to prevent the weldable socket to warp during welding, for:	
Mounting bracket and mounting parts		PMC Style Standard: Thread 1½"	7MF4997-2HE
for differential and absolute pressure trans-		PMC Style Mini bolt: front-flush 1"	7MF4997-2HF
mitters with flange thread 7/16-20 UNF		Mounting bracket and mounting parts	
DS III, DS III PA and DS III FF series		for P300	
(7MF433, 7MF443 and 7MF453) • made of steel	7MF4997-1AF	 Made of stainless steel 	7MF8997-1AA
made of steel made of stainless steel	7MF4997-1AM	Lid without window for P300	
	71111 1007 171111	 Gasket not included 	7MF8997-1BA
Cover Made of die-cast aluminium, including gasket,		Lid with glass window for P300	
for MK II, DS III, DS III PA and DS III FF series		Gasket not included	7MF8997-1BD
• without window F	7MF4997-1BB	NBR housing gasket for P300	7MF8997-1BG
• with window		Measuring point label for P300	
F		Unlabeled	7MF8997-1CA
Cover			71111 0007 1074
Made of stainless steel, including gasket, for DS III, DS III PA and DS III FF series		Cable gland for P300 • Metal F)	7MF8997-1EA
	7MF4997-1BC	,	7MF8997-1EB
	7MF4997-1BF	Available ex stock	7 0007 122
Analog indicator			1
• Scale 0 100%	7MF4997-1BN	F) Subject to export regulations AL: 91999, ECCN: N	I.
Customer-specific scale divisions as speci-	7MF4997-1BP-Z		
fied in plain text	Y20:		
Digital indicator			
Including mounting material	7MF4997-1BR		
for DS III, DS III PA and DS III FF series			
Measuring-point label			
• without inscription (5 off)	7MF4997-1CA		
with inscription (1 off) Deta according to V01 or V02, V15 and V16	7MF4997-1CB-Z		
Data according to Y01 or Y02, Y15 and Y16 (see "SITRANS P pressure transmitters")	Y:		
(==== produit transmitters)			

7MF4997-1CD

Mounting screws

for measuring-point label, earthing and connection terminals or for digital indicator (50 off)

Selection and Ordering data	Order No.
nstruction Manual ¹⁾ of for MK II series German, English French, Spanish, Italian for P300 series with HART communication German English French Spanish Italian Leporello German/English for P300 series with PROFIBUS PA communication	C73000-B5674-C100 C73000-B5650-C100 A5E00359580 A5E00359579 A5E00359578 A5E00359576 A5E00359577 A5E00359581 A5E00414587 A5E00414588
 French Spanish Italian Leporello German/English for DS III series 	A5E00414589 A5E00414590 A5E00414591 A5E00414592
- German - English - French - Spanish - Italian	A5E00047090 A5E00047092 A5E00053218 A5E00053219 A5E00053220
- German - English - French - Spanish - Italian	A5E00053275 A5E00053276 A5E00053277 A5E00053278 A5E00053279
- German - English (planned) - French (planned) - Spanish (planned) - Italian (planned)	A5E00279627 A5E00279629 A5E00279630 A5E00279632 A5E00279631
Brief instructions (Leporello) of for DS III series, German, English of for DS III PA series, German, English of for DS III FF series, German, English	A5E00047093 A5E00053274 A5E00282355
or MK II, P300, DS III, DS III PA and DS III FF series	A5E00090345
German, English, French, Italian, Spanish	
nstruction Manual or replacement of electronics, measuring cell and connection board	
German/English	A5E00078060
HART modem with RS232 interface	7MF4997-1DA
with USB interface by with USB interface	7MF4997-1DB
Supplementary electronics for 4-wire connecion	see page 2/126
Available eventeels	

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.