

Selection and Ordering data	Order No.	Ord. code
SITRANS P Compact pressure transmitters for pressure and absolute pressure with diaphragm flush at front	7MF8010-	
2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA	1	
Diaphragm seal with quick-release clamp		
Milk pipe union to DIN 11851 with slotted union nut		
• DN 25	AD	
• DN 32	AE	
• DN 40	AF	
• DN 50	AG	
• DN 65	AH	
Milk pipe union to DIN 11851 with threaded socket		
• DN 25	BD	
• DN 32	BE	
• DN 40	BF	
• DN 50	BG	
• DN 65	BH	
Clamp connection to DIN 32676		
• DN 25	CD	
• DN 40	CF	
• DN 50	CG	
Clamp connection to ISO 2852		
• 1 inch	DM	
• 1½ inch	DN	
• 2 inch	DP	
• 2½ inch	DQ	
IDF standard with slotted union nut		
• 1 inch	EM	
• 1½ inch	EN	
• 2 inch	EP	
IDF standard with threaded socket		
• 1 inch	FM	
• 1½ inch	FN	
• 2 inch	FP	
SMS standard with slotted union nut		
• 1 inch	GM	
• 1½ inch	GN	
• 2 inch	GP	
SMS standard with threaded socket		
• 1 inch	HM	
• 1½ inch	HN	
• 2 inch	HP	
DRD flange, without welding-type flange		
• DN 50, PN 40	JH	
Varivent connection (Tuchenhagen)		
• D = 50, for Varivent housing DN 25 and 1 inch	KF	
• D = 68, for Varivent housing DN 40 ... DN 125 and 1½ ... 6 inch	KL	
Special version (add Order code and plain text)	ZA	J 1 Y
Filling liquid		
Vegetable oil	1	
Medicinal white oil	2	
Food oil, FDA-listed	3	
Special version	9	L 1 Y
Output signal		
4 ... 20 mA	1	
Special version (add Order code and plain text)	9	M 1 Y

Selection and Ordering data	Order No.	Ord. code
SITRANS P Compact pressure transmitters for pressure and absolute pressure with diaphragm flush at front	7MF8010-	
2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA	1	
Diaphragm seal with aseptic connection		
Aseptic screwed gland to DIN 11864-1, form A, with slotted union nut		
• 1 inch	PM	
• 1½ inch	PN	
• 2 inch	PP	
• 2½ inch	PQ	
Aseptic screwed gland to DIN 11864-1, form A with threaded socket		
• 1 inch	QM	
• 1½ inch	QN	
• 2 inch	QP	
• 2½ inch	QQ	
Aseptic screwed NEUMO with slotted union nut ¹⁾		
• DN 25	RD	
• DN 32	RE	
• DN 40	RF	
• DN 50	RG	
Aseptic screwed NEUMO with threaded socket ¹⁾		
• DN 25	SD	
• DN 32	SE	
• DN 40	SF	
• DN 50	SG	
Aseptic screwed NEUMO with clamp connection, form R ¹⁾		
• DN 25	TD	
• DN 32	TE	
• DN 40	TF	
• DN 50	TG	
Aseptic screwed NEUMO with clamp connection, form V ¹⁾		
• DN 25	UD	
• DN 32	UE	
• DN 40	UF	
• DN 50	UG	
Male thread DIN 3852 Form A		
• G½", min. meas. span 1.6 bar (23.2 psi)	XA	
• G¾", min. meas. span 1 bar (14.5 psi)	XB	
• G1", min. meas. span 0.4 bar (5.8 psi)	XC	
• G1½", min. meas. span 0.25 bar (3.63 psi)	XD	
• G2", min. meas. span 0.16 bar (2.32 psi)	XE	
Special version (add Order code and plain text)	ZA	J 1 Y
Filling liquid		
Vegetable oil	1	
Medicinal white oil	2	
Food oil, FDA-listed	3	
Special version	9	L 1 Y
Output signal		
4 ... 20 mA	1	
Special version (add Order code and plain text)	9	M 1 Y

1) Please specify as well:
Connections for pipes: R01, R02 or R03, see table "Further designs" on next page

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2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA		1	
Housing design (stainless steel mat. No. 1.4404/316L) / electr. connection			
Housing with angled plug to DIN 43650, IP65		1	
Housing with round plug M12, IP65, union nut made of polyamide		2	
Housing with round plug M12, IP65, union nut made of stainless steel		3	
Stainless steel field housing (small) with cable gland, IP65		4	
Stainless steel field housing (small) with cable gland, IP67		5	
Internal ventilation for measuring ranges < 10 bar (< 145 psi)			
Measured range	Overload pressure		
0 ... 160 mbar (0 ... 2.32 psi)	2 bar (29 psi)	BB	
0 ... 250 mbar (0 ... 3.63 psi)	2 bar (29 psi)	BC	
0 ... 400 mbar (0 ... 5.8 psi)	6 bar (87 psi)	BD	
0 ... 600 mbar (0 ... 8.7 psi)	6 bar (87 psi)	BE	
0 ... 1 bar (0 ... 14.5 psi)	10 bar (145 psi)	CA	
0 ... 1.6 bar (0 ... 23.2 psi)	10 bar (145 psi)	CB	
0 ... 2.5 bar (0 ... 36.3 psi)	16 bar (232 psi)	CC	
0 ... 4 bar (0 ... 58 psi)	16 bar (232 psi)	CD	
0 ... 6 bar (0 ... 87 psi)	30 bar (435 psi)	CE	
0 ... 10 bar (0 ... 145 psi)	30 bar (435 psi)	DA	
0 ... 16 bar (0 ... 232 psi)	50 bar (725 psi)	DB	
0 ... 25 bar (0 ... 363 psi)	50 bar (725 psi)	DC	
0 ... 40 bar (0 ... 580 psi)	70 bar (1015 psi)	DD	
-160 ... 0 mbar (-2.32 ... 0 psi)	2 bar (29 psi)	EB	
-250 ... 0 bar (-3.73 ... 0 psi)	2 bar (29 psi)	EC	
-400 ... 0 bar (-5.8 ... 0 psi)	6 bar (87 psi)	ED	
-600 ... 0 bar (-8.7 ... 0 psi)	6 bar (87 psi)	EE	
-1 ... 0 bar (-14.5 ... 0 psi)	10 bar (145 psi)	FA	
-1 ... 0.6 bar (-14.5 ... 8.7 psi)	10 bar (145 psi)	FB	
-1 ... 1.5 bar (-14.5 ... 21.8 psi)	16 bar (232 psi)	FC	
-1 ... 3 bar (-14.5 ... 43.5 psi)	16 bar (232 psi)	FD	
-1 ... 5 bar (-14.5 ... 72.5 psi)	30 bar (435 psi)	FE	

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2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA		1	
Measured range	Overload pressure		
(continued)			
-1 ... +9 bar (-14.5 ... +130.5 psi)	30 bar (435 psi)		GA
-1 ... +15 bar (-14.5 ... +217.6 psi)	50 bar (725 psi)		GB
0 ... 1 bar a (0 ... 14.5 psia)	10 bar a (145 psia)		HA
0 ... 1.6 bar a (0 ... 23.2 psia)	10 bar a (145 psia)		HB
0 ... 2.5 bar a (0 ... 36.3 psia)	16 bar a (232 psia)		HC
0 ... 4 bar a (0 ... 58 psia)	16 bar a (232 psia)		HD
0 ... 6 bar a (0 ... 87 psia)	30 bar a (435 psia)		HE
0 ... 10 bar a (0 ... 145 psia)	30 bar a (435 psia)		JA
Special version (add Order code and plain text)			ZA P 1 Y
Explosion protection			
without			1
with, to ATEX 100a, II 2 G, Ex ib IIC T6			2
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code			
Hygiene version		P01	
Roughness of process connection: Foil R _a < 0.8 µm (3.15·10 ⁻⁸ inch); Welded seams R _a < 1.5 µm (5.9·10 ⁻⁸ inch)			
Integral cooling element		K01	
Process temperature max. 200 °C (392 °F) instead of 140 °C (284 °F)			
Connections for pipe			
Pipes to DIN 11850		R01	
ISO pipes to DIN 2463		R02	
Pipes to O. D. Tubing "BS 4825 Part 1"		R03	
Certificates			
Quality inspection certificate (Factory calibration) to IEC 60770-2		C11	
Inspection certificate to EN 10204-3.1		C12	
Use of FDA-listed remote seal filling liquids certified by test report to EN 10204-2.2		C17	
Roughness depth measurement R _a certified by test report to EN 10204-3.1		C18	
Certification to EHEDG for clamp-on seals with aseptic screwed gland to DIN 11864		C19	

Selection and Ordering data	Order No.	Ord. code
SITRANS P Compact pressure transmitters for pressure and absolute pressure with clamp-on remote seal	7MF8010 -	
2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA	2	
Clamp-on remote seal (screwed gland at both ends) with quick-release clamps		
Milk pipe union to DIN 11851 with threaded socket		
• DN 25	AD	
• DN 32	AE	
• DN 40	AF	
• DN 50	AG	
• DN 65	AH	
Clamp connection to DIN 32676		
• DN 25	CD	
• DN 32	CE	
• DN 40	CF	
• DN 50	CG	
• DN 65	CH	
Clamp connection to ISO 2852 ¹⁾		
• 1 inch	DM	
• 1½ inch	DN	
• 2 inch	DP	
• 2½ inch	DQ	
Special version (add Order code and plain text)	ZA	J 1 Y
Filling liquid		
Vegetable oil	1	
Medicinal white oil	2	
Food oil, FDA-listed	3	
Special version (add Order code and plain text)	9	L 1 Y
Output signal		
4 ... 20 mA	1	
Special version (add Order code and plain text)	9	M 1 Y

¹⁾ Please note the internal diameter of the pipe. Please specify pipe classes (see "Further designs")

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2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA	2	
Clamp-on seal with aseptic connection		
Aseptic screwed gland to DIN 11864-1, form A with threaded socket		
• 1 inch	QM	
• 1½ inch	QN	
• 2 inch	QP	
Aseptic screwed NEUMO with threaded socket ¹⁾		
• DN 25	SD	
• DN 32	SE	
• DN 40	SF	
• DN 50	SG	
• DN 65	SH	
Aseptic screwed NEUMO with clamp connection, form R ¹⁾		
• DN 25	TD	
• DN 32	TE	
• DN 40	TF	
• DN 50	TG	
Aseptic screwed gland SÜDMO with threaded socket W 501		
• 1 inch	VM	
• 1½ inch	VN	
• 2 inch	VP	
Aseptic screwed gland SÜDMO with clamp connection W 601		
• 1 inch	WM	
• 1½ inch	WN	
• 2 inch	WP	
Special version (add Order code and plain text)	ZA	J 1 Y
Filling liquid		
Vegetable oil	1	
Medicinal white oil	2	
Food oil, FDA-listed	3	
Special version (add Order code and plain text)	9	L 1 Y
Output signal		
4 ... 20 mA	1	
Special version (add Order code and plain text)	9	M 1 Y

¹⁾ Please specify as well:
Connections for pipes: R01, R02 or R03, see table "Further designs" on next page

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2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA		2	
Housing design (stainless steel mat. No. 1.4404/316L) / electr. connection			
Housing with angled plug to DIN 43650, IP65, union nut made of polyamide		1	
Housing with round plug M12, IP65, union nut made of polyamide		2	
Housing with round plug M12, IP65, union nut made of stainless steel		3	
Stainless steel field housing (small) with cable gland, IP65		4	
Stainless steel field housing (small) with cable gland, IP67		5	
Internal ventilation for measuring ranges < 10 bar (< 145 psi)			
Measured range	Overload pressure		
0 ... 160 mbar (0 ... 2.32 psi)	2 bar (29 psi)	BB	
0 ... 250 mbar (0 ... 3.63 psi)	2 bar (29 psi)	BC	
0 ... 400 mbar (0 ... 5.8 psi)	6 bar (87 psi)	BD	
0 ... 600 mbar (0 ... 8.7 psi)	6 bar (87 psi)	BE	
0 ... 1 bar (0 ... 14.5 psi)	10 bar (145 psi)	CA	
0 ... 1.6 bar (0 ... 23.2 psi)	10 bar (145 psi)	CB	
0 ... 2.5 bar (0 ... 36.3 psi)	16 bar (232 psi)	CC	
0 ... 4 bar (0 ... 58 psi)	16 bar (232 psi)	CD	
0 ... 6 bar (0 ... 87 psi)	30 bar (435 psi)	CE	
0 ... 10 bar (0 ... 145 psi)	30 bar (435 psi)	DA	
0 ... 16 bar (0 ... 232 psi)	50 bar (725 psi)	DB	
0 ... 25 bar (0 ... 363 psi)	50 bar (725 psi)	DC	
0 ... 40 bar (0 ... 580 psi)	70 bar (1015 psi)	DD	
-160 ... 0 mbar (-2.32 ... 0 psi)	2 bar (29 psi)	EB	
-250 ... 0 bar (-3.73 ... 0 psi)	2 bar (29 psi)	EC	
-400 ... 0 bar (-5.8 ... 0 psi)	6 bar (87 psi)	ED	
-600 ... 0 bar (-8.7 ... 0 psi)	6 bar (87 psi)	EE	
-1 ... 0 bar (-14.5 ... 0 psi)	10 bar (145 psi)	FA	
-1 ... 0.6 bar (-14.5 ... 8.7 psi)	10 bar (145 psi)	FB	
-1 ... 1.5 bar (-14.5 ... 21.8 psi)	16 bar (232 psi)	FC	
-1 ... 3 bar (-14.5 ... 43.5 psi)	16 bar (232 psi)	FD	
-1 ... 5 bar (-14.5 ... 72.5 psi)	30 bar (435 psi)	FE	

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2-wire system Process temperature up to 140 °C (284 °F) Accuracy: 0.2 % of full-scale value Output 4 ... 20 mA		2	
Measured range	Overload pressure		
(continued)			
-1 ... 9 bar (-14.5 ... 130.5 psi)	30 bar (435 psi)		GA
-1 ... 15 bar (-14.5 ... 217.6 psi)	50 bar (725 psi)		GB
0 ... 1 bar a (0 ... 14.5 psia)	10 bar a (145 psia)		HA
0 ... 1.6 bar a (0 ... 23.2 psia)	10 bar a (145 psia)		HB
0 ... 2.5 bar a (0 ... 36.3 psia)	16 bar a (232 psia)		HC
0 ... 4 bar a (0 ... 58 psia)	16 bar a (232 psia)		HD
0 ... 6 bar a (0 ... 87 psia)	30 bar a (435 psia)		HE
0 ... 10 bar a (0 ... 145 psia)	30 bar a (435 psia)		JA
Special version (add Order code and plain text)			ZA P1Y
Explosion protection			
without			1
with, to ATEX 100a, II 2 G, Ex ib IIC T6			2
Further designs		Order code	
Please add "-Z" to Order No. and specify Order code			
Hygiene version		P01	
Roughness of process connection: Foil R _a < 0.8 µm (3.15·10 ⁻⁸ inch); Welded seams R _a < 1.5 µm (5.9·10 ⁻⁸ inch)			
Integral cooling element		K01	
Process temperature max. 200 °C (392 °F) instead of 140 °C (284 °F)			
Connections for pipe			
Pipes to DIN 11850		R01	
ISO pipes to ISO 2463		R02	
Pipes to O. D. Tubing "BS 4825 Part 1"		R03	
Certificates			
Quality inspection certificate (Five-step factory calibration) to IEC 60770-2		C11	
Inspection certificate to EN 10204-3.1		C12	
Use of FDA-listed remote seal filling liquids certified by test report to EN 10204-2.2		C17	
Roughness depth measurement R _a certified by test report to EN 10204-3.1		C18	
Certification to EHEDG for clamp-on seals with aseptic screwed gland to DIN 11864		C19	