

Selection and ordering data						Order No.	Order code			
SITRANS P 220 pressure transmitters for gauge pressure, high-pressure and refrigeration applications, fully-welded version						7MF1567-				A
Accuracy typ. 0.25 %										
Wetted parts materials: stainless steel										
Non-wetted parts materials: stainless steel										
Measuring range		Overload limit		Burst pressure						
		Mini- mum	Max.							
For gauge pressure										
0 ... 2.5 bar	(0 ... 36.3 psi)	-0.8 bar	(-11.6 psi)	6.25 bar	(90.7 psi)	25 bar	(363 psi)	▶	3BD	
0 ... 4 bar	(0 ... 58 psi)	-0.8 bar	(-11.6 psi)	10 bar	(145 psi)	40 bar	(870 psi)	▶	3BE	
0 ... 6 bar	(0 ... 87 psi)	-1 bar	(-14.5 psi)	15 bar	(217 psi)	60 bar	(522 psi)	▶	3BG	
0 ... 10 bar	(0 ... 145 psi)	-1 bar	(-14.5 psi)	25 bar	(362 psi)	60 bar	(870 psi)	▶	3CA	
0 ... 16 bar	(0 ... 232 psi)	-1 bar	(-14.5 psi)	40 bar	(580 psi)	96 bar	(1392 psi)	▶	3CB	
0 ... 25 bar	(0 ... 363 psi)	-1 bar	(-14.5 psi)	62.5 bar	(906 psi)	150 bar	(2176 psi)	▶	3CD	
0 ... 40 bar	(0 ... 580 psi)	-1 bar	(-14.5 psi)	100 bar	(1450 psi)	240 bar	(3481 psi)	▶	3CE	
0 ... 60 bar	(0 ... 870 psi)	-1 bar	(-14.5 psi)	150 bar	(2175 psi)	360 bar	(5221 psi)	▶	3CG	
0 ... 100 bar	(0 ... 1450 psi)	-1 bar	(-14.5 psi)	250 bar	(3625 psi)	600 bar	(8702 psi)	▶	3DA	
0 ... 160 bar	(0 ... 2320 psi)	-1 bar	(-14.5 psi)	400 bar	(5801 psi)	960 bar	(13924 psi)	▶	3DB	
0 ... 250 bar	(0 ... 3625 psi)	-1 bar	(-14.5 psi)	625 bar	(9064 psi)	1500 bar	(21756 psi)	▶	3DD	
0 ... 400 bar	(0 ... 5801 psi)	-1 bar	(-14.5 psi)	1000 bar	(14503 psi)	2400 bar	(34809 psi)	▶	3DE	
0 ... 600 bar	(0 ... 8702 psi)	-1 bar	(-14.5 psi)	1500 bar	(21755 psi)	2500 bar	(36260 psi)	▶	3DG	
Other version, add order code and plain text:										
Measuring range: ... up to... bar (psi)										H1Y
Measuring ranges for gauge pressure (only for US market)										
	(0 ... 30 psi)		(-5.8 psi)		(75 psi)		(360 psi)		4BE	
	(0 ... 60 psi)		(-11.5 psi)		(150 psi)		(580 psi)		4BF	
	(0 ... 100 psi)		(-14.5 psi)		(250 psi)		(580 psi)		4BG	
	(0 ... 150 psi)		(-14.5 psi)		(375 psi)		(870 psi)		4CA	
	(0 ... 200 psi)		(-14.5 psi)		(500 psi)		(1390 psi)		4CB	
	(0 ... 300 psi)		(-14.5 psi)		(750 psi)		(2170 psi)		4CD	
	(0 ... 500 psi)		(-14.5 psi)		(1250 psi)		(3480 psi)		4CE	
	(0 ... 750 psi)		(-14.5 psi)		(1875 psi)		(5220 psi)		4CF	
	(0 ... 1000 psi)		(-14.5 psi)		(2500 psi)		(5220 psi)		4CG	
	(0 ... 1500 psi)		(-14.5 psi)		(3750 psi)		(8700 psi)		4DA	
	(0 ... 2000 psi)		(-14.5 psi)		(5000 psi)		(13920 psi)		4DB	
	(0 ... 3000 psi)		(-14.5 psi)		(7500 psi)		(21750 psi)		4DD	
	(0 ... 5000 psi)		(-14.5 psi)		(12500 psi)		(34800 psi)		4DE	
	(0 ... 6000 psi)		(-14.5 psi)		(15000 psi)		(34800 psi)		4DF	
	(0 ... 8700 psi)		(-14.5 psi)		(21000 psi)		(52200 psi)		4DG	
Other version, add order code and plain text: Measuring range: ... up to ... psi										H1Y
Output signal										
4 ... 20 mA; two-wire system; power supply 7 ... 33 V DC (10 ... 30 V DC for ATEX versions)						▶			0	
0 ... 10 V; three-wire system; power supply 12 ... 33 V DC						▶			10	
Explosion protection (only 4 ... 20 mA)										
None						▶			0	
With explosion protection Ex ia IIC T4						▶			1	
Electrical connection										
Connector per DIN EN 175301-803-A, stuffing box thread M16 (with coupling)						▶			1	
Round connector M12 per DIN EN 60139-9 (not for gauge pressure ranges ≤ 16 bar)									2	
Connection via fixed mounted cable, 2 m (not for type of protection "Intrinsic safety i")									03	
Quickon cable quick screw connection PG9 (not for type of protection "Intrinsic safety i")									04	
Connector per DIN EN 175301-803-A, stuffing box thread 1/2"-14 NPT (with coupling)									5	
Connector per DIN EN 175301-803-A, stuffing box thread PG11 (with coupling)									6	
Special version									9	N1Y
▶ Available ex stock										

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Accuracy typ. 0.25 %
Wetted parts materials: stainless steel
Non-wetted parts materials: stainless steel

Process connection

G½" male per EN 837-1 (½" BSP male) (standard for metric pressure ranges mbar, bar)
G½" male thread and G1/8" female thread
G¼" male per EN 837-1 (¼" BSP male)
7/16"-20 UNF male
¼"-18 NPT male (standard for pressure ranges inH₂O and psi)
¼"-18 NPT female (Only for measuring ranges ≤ 60 bar (870 psi))
½"-14 NPT male
½"-14 NPT female (Only for measuring ranges ≤ 60 bar (870 psi))
7/16"-20 UNF female
M20x1.5 male
Special version

Version

Standard version

Further designs

Supplement the order no. with "-Z" and add order code.
Manufacturer's test certificate M per IEC 60770-2 (calibration certificate) supplied
Oxygen application, oil and grease-free cleaning (Not in conjunction with explosion protection version)
► Available ex stock

7MF1567 - - A

A
B
C
D
E
F
G
H
J
P
Z

1

P1Y

C11
E10