

Selection and ordering data

Order No.

Order code

SITRANS P 220 pressure transmitters for gauge pressure, high-pressure and refrigeration applications, fully-welded version

D) 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)

9AA
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

9AA
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 EEx 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
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

▶ Available ex stock

N1Y

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Process connectionG $\frac{1}{2}$ " male per EN 837-1 (½" BSP male) (standard for metric pressure ranges mbar, bar) ▶G $\frac{1}{2}$ " male thread and G1/8" female threadG $\frac{1}{4}$ " 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

A

B

C

D

E

F

G

H

J

P

Z

P 1 Y

Version

Standard version ▶

1

Further designs

Supplement the order no. with "-Z" and add order code.

Manufacturer's test certificate M per DIN 55340, Part 18 and ISO 8402 (calibration certificate) supplied

Oxygen application, oil and grease-free cleaning

▶ Available ex stock

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

C11**E10**