

Selection and ordering data						Order No.				Order code			
SITRANS P 200 pressure transmitters for pressure and absolute pressure for general applications						D) 7MF1565-							
Characteristic curve deviation typ. 0.25 %													
Wetted parts materials: Ceramic and stainless steel + sealing material													
Non-wetted parts materials: stainless steel													
Measuring range		Overload limit		Burst pressure									
		Min.	Max.										
For gauge pressure													
0 ... 1 bar	(0 ... 14.5 psi)	-0.4 bar (-5.8 psi)	2.5 bar (36.26 psi)	> 2,5 bar	(> 36.3 psi)	▶					3BA		
0 ... 1.6 bar	(0 ... 23.2 psi)	-0.4 bar (-5.8 psi)	4 bar (58.02 psi)	> 4 bar	(> 58.0 psi)	▶					3BB		
0 ... 2.5 bar	(0 ... 36.3 psi)	-0.8 bar (-11.6 psi)	6.25 bar (90.65 psi)	> 6,25 bar	(> 90.7 psi)	▶					3BD		
0 ... 4 bar	(0 ... 58.0 psi)	-0.8 bar (-11.6 psi)	10 bar (145 psi)	> 10 bar	(> 145 psi)	▶					3BE		
0 ... 6 bar	(0 ... 87.0 psi)	-1 bar (-14.5 psi)	15 bar (217 psi)	> 15 bar	(> 217 psi)	▶					3BG		
0 ... 10 bar	(0 ... 145 psi)	-1 bar (-14.5 psi)	25 bar (362 psi)	> 25 bar	(> 362 psi)	▶					3CA		
0 ... 16 bar	(0 ... 232 psi)	-1 bar (-14.5 psi)	40 bar (580 psi)	> 40 bar	(> 580 psi)	▶					3CB		
0 ... 25 bar	(0 ... 363 psi)	-1 bar (-14.5 psi)	62.5 bar (906 psi)	> 62,5 bar	(> 906 psi)	▶					3CD		
0 ... 40 bar	(0 ... 580 psi)	-1 bar (-14.5 psi)	100 bar (1450 psi)	> 100 bar	(> 1450 psi)	▶					3CE		
0 ... 60 bar	(0 ... 870 psi)	-1 bar (-14.5 psi)	150 bar (2175 psi)	> 150 bar	(> 2175 psi)	▶					3CG		
Other version, add order code and plain text: Measuring range: ... up to... bar (psi)										9AA		H1Y	
For absolute pressure													
0 ... 600 bar a	(0 ... 8.7 psia)	0 bar a (0 psia)	3 bar a (43.51 psia)	> 2,5 bar a	(> 36.3 psia)						5AG		
0 ... 1 bar a	(0 ... 14.5 psia)	0 bar a (0 psia)	2.5 bar a (36.26 psia)	> 2,5 bar a	(> 36.3 psia)	▶					5BA		
0 ... 1.6 bar a	(0 ... 23.2 psia)	0 bar a (0 psia)	4 bar a (58.02 psia)	> 4 bar a	(> 58.0 psia)	▶					5BB		
0 ... 2.5 bar a	(0 ... 36.3 psia)	0 bar a (0 psia)	6.25 bar a (90.65 psia)	> 6,25 bar a	(> 90.7 psia)	▶					5BD		
0 ... 4 bar a	(0 ... 58.0 psia)	0 bar a (0 psia)	10 bar a (145 psia)	> 10 bar a	(> 145 psia)	▶					5BE		
0 ... 6 bar a	(0 ... 87.0 psia)	0 bar a (0 psia)	15 bar a (217 psia)	> 15 bar a	(> 217 psia)	▶					5BG		
0 ... 10 bar a	(0 ... 145 psi)	0 bar a (0 psia)	25 bar a (362 psia)	> 25 bar a	(> 362 psia)	▶					5CA		
0 ... 16 bar a	(0 ... 232 psi)	0 bar a (0 psia)	40 bar a (580 psia)	> 40 bar a	(> 580 psia)	▶					5CB		
Other version, add order code and plain text: Measuring range: ... up to ... mbar a (psia)										9AA		H1Y	
Measuring ranges for gauge pressure (only for US market)													
(0 ... 15 psi)		(-5.8 psi)	(35 psi)		(> 35 psi)						4BB		
(3 ... 15 psi)		(-5.8 psi)	(35 psi)		(> 35 psi)						4BC		
(0 ... 20 psi)		(-5.8 psi)	(50 psi)		(> 50 psi)						4BD		
(0 ... 30 psi)		(-5.8 psi)	(80 psi)		(> 80 psi)						4BE		
(0 ... 60 psi)		(-11.5 psi)	(140 psi)		(> 140 psi)						4BF		
(0 ... 100 psi)		(-14.5 psi)	(200 psi)		(> 200 psi)						4BG		
(0 ... 150 psi)		(-14.5 psi)	(350 psi)		(> 350 psi)						4CA		
(0 ... 200 psi)		(-14.5 psi)	(550 psi)		(> 550 psi)						4CB		
(0 ... 300 psi)		(-14.5 psi)	(800 psi)		(> 800 psi)						4CD		
(0 ... 500 psi)		(-14.5 psi)	(1400 psi)		(> 1400 psi)						4CE		
(0 ... 750 psi)		(-14.5 psi)	(2000 psi)		(> 2000 psi)						4CF		
(0 ... 1000 psi)		(-14.5 psi)	(2000 psi)		(> 2000 psi)						4CG		
Other version, add order code and plain text: Measuring range: ... up to ... psi										9AA		H1Y	
Measuring ranges for absolute pressure (only for US market)													
(0 ... 10 psia)		(0 psia)	(35 psia)		(> 35 psia)						6AG		
(0 ... 15 psia)		(0 psia)	(35 psia)		(> 35 psia)						6BA		
(0 ... 20 psia)		(0 psia)	(50 psia)		(> 50 psia)						6BB		
(0 ... 30 psia)		(0 psia)	(80 psia)		(> 80 psia)						6BD		
(0 ... 60 psia)		(0 psia)	(140 psia)		(> 140 psia)						6BE		
(0 ... 100 psia)		(0 psia)	(200 psia)		(> 200 psia)						6BG		
(0 ... 150 psia)		(0 psia)	(350 psia)		(> 350 psia)						6CA		
(0 ... 200 psia)		(0 psia)	(550 psia)		(> 550 psia)						6CB		
(0 ... 300 psia)		(0 psia)	(800 psia)		(> 800 psia)						6CC		
Other version, add order code and plain text: Measuring range: ... up to ... psia										9AA		H1Y	
▶ Available ex stock													

▶ Available ex stock

Selection and ordering data

Order No.

Order code

SITRANS P 200 pressure transmitters for pressure and absolute pressure for general applications

D) 7MF1565 -

Accuracy typ. 0.25 %

Wetted parts materials: Ceramic and stainless steel + sealing material

Non-wetted parts materials: stainless steel

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, 2m (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

N1Y

Process connection

G½" male per EN 837-1 (½" BSP male) (standard for metric pressure ranges mbar, bar) ▶

A

G½" male thread and G1/8" female thread

B

G¼" male per EN 837-1 (¼" BSP male)

C

7/16"-20 UNF male

D

¼"-18 NPT male (standard for pressure ranges inH₂O and psi)

E

¼"-18 NPT female

F

½"-14 NPT male

G

½"-14 NPT female

H

7/16"-20 UNF female

J

M20x1.5 male

P

Special version

Z

P1Y

Sealing material between sensor and enclosure

Viton (FPM, standard) ▶

A

Neoprene (CR)

B

Perbunan (NBR)

C

EPDM

D

Special version

Z

Q1Y

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

C11Oxygen application, oil and grease-free cleaning
(only in conjunction with the sealing material Viton between sensor and enclosure)**E10**

▶ Available ex stock

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