

Pressure Measurement

Transmitters for basic requirements

SITRANS P210
for gauge pressure

1

Selection and ordering data				Article No.	Order code
SITRANS P 210 pressure transmitters for gauge pressure for low pressure applications				7MF1566-	
Accuracy typ. 0.25 %					
Wetted parts materials: Stainless steel + sealing material					
Non-wetted parts materials: stainless steel					
Measuring range	Overload limit		Burst pressure		
	min.	max.			
For gauge pressure					
0...100 mbar (1.45 psi)	-400 mbar (-5.8 psi)	400 mbar (5.8 psi)	1 bar (14.5 psi) ▶◆	3AA	
0...160 mbar (2.32 psi)	-400 mbar (-5.8 psi)	400 mbar (5.8 psi)	1 bar (14.5 psi) ▶◆	3AB	
0...250 mbar (3.63 psi)	-800 mbar (-11.6 psi)	1000 mbar (14.5 psi)	2 bar (29.0 psi) ▶◆	3AC	
0...400 mbar (5.8 psi)	-800 mbar (-11.6 psi)	1000 mbar (14.5 psi)	2 bar (29.0 psi) ▶◆	3AD	
0...600 mbar (8.7 psi)	-1000 mbar (-14.5 psi)	2000 mbar (29.0 psi)	3 bar (43.5 psi) ▶◆	3AG	
Other version, add Order code and plain text: Measuring range: ... up to ... mbar (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 Ex ia IIC T4 ▶◆				1	
Electrical connection					
Connector per DIN EN 175301-803-A, stuffing box thread M16 (with coupling) ▶◆					1
Connection via fixed mounted cable, 2 m (not for type of protection "Intrinsic safety i")				0	3
Quickon cable quick screw connection PG9 (not for type of protection "Intrinsic safety i")				0	4
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
Fixed mounted cable, length 5 m				0	7
Special version					9
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 Article No. with "-Z" and add Order code.					
Manufacturer's test certificate M per IEC 60770-2 (calibration certificate) supplied					
C11					

▶ Available ex stock

◆ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ◆. For details see page 9/5 in the appendix.