



Pressure transmitter

PT-010-SEG14-A-ZVG/US/ IW



Product characteristics	
Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [bar]	-1...10
Process connection	threaded connection G 1/4 external thread DIN EN ISO 1179-2
Application	
Application	for industrial applications
Media	liquids and gases
Medium temperature [°C]	-25...70
Min. bursting pressure [bar]	300
Pressure rating [bar]	25
Note on pressure rating	static
Vacuum resistance [mbar]	-1000
Type of pressure	relative pressure
Electrical data	
Operating voltage [V]	8.5...36 DC
Min. insulation resistance [MΩ]	100; (500 V DC)
Protection class	III
Reverse polarity protection	yes
Inputs / outputs	
Number of inputs and outputs	Number of analogue outputs: 1
Outputs	
Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	755; (Ub = 24 V; (Ub - 8,5 V) / 20,5 mA)
Short-circuit proof	yes



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Overload protection		yes
Measuring/setting range		
Measuring range	[bar]	-1...10
Accuracy / deviations		
Repeatability	[X21]	< ± 0,05; (with temperature fluctuations < 10 K)
Characteristics deviation	[X21]	< ± 0,8; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)
Linearity deviation	[X21]	< ± 0,1 (BFSL) / < ± 0,2 (LS)
Hysteresis deviation	[X21]	< ± 0,2
Long-term stability	[X21]	< ± 0,1; (per 6 months)
Temperature coefficient zero point and span	[X22]	< 0,25 (-25...70 °C)
Response times		
Step response time analogue output	[ms]	1
Operating conditions		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-25...70
Protection		IP 67; IP 69K
Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	500 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[ANN]	787
UL approval	UL Approval no.	J027
	File number UL	E174189
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data		
Weight	[g]	58.2
Materials	1.4542 (17-4 PH / 630); stainless steel (1.4404 / 316L); PEI	
Materials (wetted parts)	1.4542 (17-4 PH / 630)	
Min. pressure cycles	60 million; (at 1.2 times nominal pressure)	
Tightening torque	[Nm]	25...35; (recommended tightening torque; depends on lubrication, seal and pressure rating)
Process connection	threaded connection G 1/4 external thread DIN EN ISO 1179-2	
Process connection sealing	FKM (DIN EN ISO 1179-2)	
Restrictor element integrated	no (can be retrofitted)	
Remarks		
Remarks	BFSL = Best Fit Straight Line	
	LS = limit value setting	
Pack quantity	1 pcs.	

PC5194



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Electrical connection

Connector: 1 x M12; coding: A



Connection



OUT	analogue output colours to DIN EN 60947-5-2
BN	Core colours : brown
WH	white