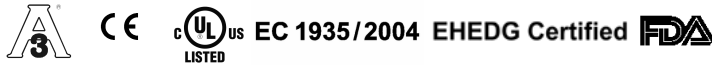


- 1: 4-digit alphanumeric display
- 2: status LEDs
- 3: Programming button
- 4: Aseptoflex sealing edge
- 5: Aseptoflex thread



Product characteristics

Programmable pressure transmitter

Quick disconnect

no dead space

Freely rotatable housing 350°

2-wire connection technology

Zero and span adjustable

Process connection: for Aseptoflex adapter

Analog output

4-digit alphanumeric display

Measuring range: -1.00...10.00 bar / -14.5...145.0 psi / -0.100...1.000 MPa

Application

Application

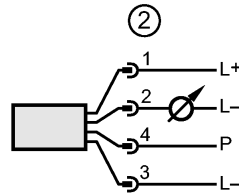
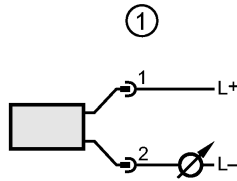
Type of pressure: relative pressure
Hygienic systems, viscous media and liquids with suspended particles
Liquids and gases

Pressure rating	50 bar	725 psi	5 MPa
Bursting pressure min.	150 bar	2175 psi	15 MPa
Medium temperature [°C]	-25...125 (145 max. 1h)		
Electrical data			
Electrical design	DC		
Operating voltage [V]	20...32 DC		
Switch-on peak current [mA]	60 (30 ms)		
Insulation resistance [MΩ]	> 100 (500 V DC)		
Protection class	III		
Reverse polarity protection	yes		
Outputs			
Output	Analog output		
Output function	4...20 (20...4) mA analog (scaleable 1:4)		
Overload protection	yes		

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Analog output	I: 4...20 mA (Ineg: 20...4 mA)		
Max. load [Ω]	max. 300		
Measuring / setting range			
Display unit	bar, psi, MPa, % der Spanne		
Measuring range	-1.00...10.00 bar	-14.5...145.0 psi	-0.100...1.000 MPa
Setting range			
Analog start point, ASP	-1.00...7.25 bar	-14.5...105.1 psi	-0.100...0.725 MPa
Analog end point, AEP	1.75...10.00 bar	25.4...145.0 psi	0.175...1.000 MPa
in steps of	0.01 bar	0.1 psi	0.001 MPa
Factory setting	ASP = 0.00 bar; AEP = 10.00 bar		
Accuracy / deviations			
Accuracy / deviations (in % of the span) Turn down 1:1			
Characteristics deviation *)	< ± 0.2		
Linearity	< ± 0.15		
Hysteresis	< ± 0.15		
Repeatability **)	< ± 0.1		
Long-term stability ***)	< ± 0.1		
Temperature coefficients (TEMPCO) in the temperature range 0...70° C (in % of the span per 10 K)			
Greatest TEMPCO of the zero point	< ± 0.05		
Greatest TEMPCO of the span	< ± 0.15		
Reaction times			
Power-on delay time [s]	0.5		
Damping for the analog output (dAA) [s]	0.1...100.0		
Response time analog output [ms]	40		
Integrated watchdog	yes		
Environment			
Ambient temperature [°C]	-25...80		
Storage temperature [°C]	-40...100		
Protection	IP 67 / IP 69K		
Tests / approvals			
EMC	EN 61000-4-2 ESD:	4 kV CD / 8 kV AD	
	EN 61000-4-3 HF radiated:	10 V/m	
	EN 61000-4-4 Burst:	2 kV	
	EN 61000-4-5 Surge:	0.5/1 kV	
	EN 61000-4-6 HF conducted:	10 V	
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)	
Vibration resistance	DIN IEC 68-2-6:	20 g (10...2000 Hz)	
MTTF [Years]	238		
Mechanical data			
Process connection	for Aseptoflex adapter		
Materials (wetted parts)	ceramics (99.9 % Al ₂ O ₃); PTFE; stainless steel 316L / 1.4435; surface characteristics: Ra < 0.4 / Rz 4		
Housing materials	stainless steel 316L / 1.4404; PC (Makrolon); PBT (Pocan); PEI; FPM (Viton); PTFE		
Min. pressure cycles	100 million		
Weight [kg]	0.4		
Displays / operating elements			
Display	Display unit	4 x LED green	
	Function display	4-digit alphanumeric display	
	Measured values	4-digit alphanumeric display	
Electrical connection			
Connection	M12 connector; gold-plated contacts		
Wiring			

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- 1: Normal operation
- 2: Programming operation (P = communication via EPS / FDT interface)

Remarks
Remarks

*) linearity, incl. hysteresis and repeatability;
 (limit value setting to DIN 16086)
 **) with temperature fluctuations < 10 K
 ***) in % of the span per year
 The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.

Pack quantity [piece]

1