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Technical data

Pressure transmitter Model A–10
Type A–10
Item no.: 59202687

MEASURING RANGE	
Measuring range	0...100 mbar abs
Overpressure limit	10 times
Vacuum tightness	yes
OUTPUT SIGNAL	
Output signal	4 ... 20 mA, 2-wire
Permissible load in Ω	≤ (power supply - 8 V) / 0.02 A
Settling time	< 1 min
POWER SUPPLY	
Power supply	8...30 V DC
Total current consumption	Current signal, max. 25 mA
ACCURACY INFORMATION	
Non-linearity	0.5% BFSL
Accuracy at room temperature	≤ ±1.8 % of span
Measuring deviation of the zero signal	≤ ±0.3 % of span
Long-term drift	≤ ±0.2 % of span
TEMPERATURE ERROR	
	typ. 1 %, max. 2.5 %
OPERATING ENVIRONMENT CONDITIONS	
Permissible medium temperature	0...+80 °C
Permissible ambient temperature	0 ... 80 °C
Vibration resistance	10 g (IEC 60068-2-6, under resonance)
Shock resistance	500 g (IEC 60068-2-27, mechanical)
Service life	100 million load cycle
MATERIALS	
Wetted parts	Stainless steel 316L
Non-wetted parts	Stainless steel 316L, HNBR, PA
PROCESS CONNECTION	
Process connection	1/2 NPT
ELECTRICAL CONNECTION	
Electrical connection	valve connector, size A
Ingress Protection	IP65
pin assignment	UB=1, 0V=2
ELECTRICAL SAFETY	
Short-circuit resistance	S+ vs. U-
Reverse polarity protection	U+ vs. U- (no reverse polarity protection with ratiometric output signal)
Insulation voltage	DC 500 V
CE-CONFORMITY, APPROVALS AND CERTIFICATES	
CE conformity	PED 2014/68/EU

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