

Pressure transmitter Model A-10

Modelcode type: **A-10**

Item number: **12719383**

MEASURING RANGE

Measuring range 0 ... 100 bar gauge

Overpressure limit 2 times

Vacuum tightness yes

OUTPUT SIGNAL

Output signal 4 ... 20 mA, 2-wire

Permissible load in Ω $\leq$ (power supply - 8 V) / 0.02 A

Settling time < 1 ms

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 $\leq \pm 1.0$ % of span

Measuring deviation of the zero signal $\leq \pm 0.3$ % of span

Long-term drift $\leq \pm 0.1$ % of span

TEMPERATURE ERROR

typ. 1 %, max. 2.5 %

OPERATING ENVIRONMENT CONDITIONS

Permissible medium temperature 0...+80 °C

Permissible ambient temperature 0 ... 80 °C

Shock resistance 500 g (IEC 60068-2-27, mechanical)

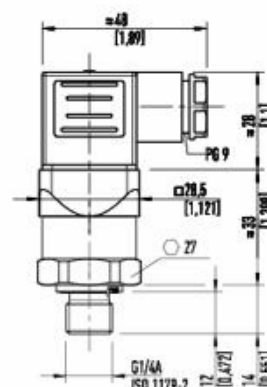
Service life 100 million load cycle

MATERIALS

Wetted parts Stainless steel 316L

Non-wetted parts Stainless steel 316L, HNBR, PA

PROCESS CONNECTION



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Process connection G 1/4 A DIN EN ISO 1179-2

Sealing NBR

ELECTRICAL CONNECTION

Electrical connection valve connector, size A

Ingress Protection IP65

Pin assignment U+=1, U-=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

Approvals cULus