

Pressure transmitter Model A-10

Modelcode type: A-10

Item number: 14182736

MEASURING RANGE

Measuring range	0 ... 0.4 bar gauge
Overpressure limit	2.5 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	$\leq \pm 1.2$ % of span
Measuring deviation of the zero signal	$\leq \pm 0.3$ % of span
Long-term drift	$\leq \pm 0.2$ % of span

TEMPERATURE ERROR

typ. 1 %, max. 2.5 %

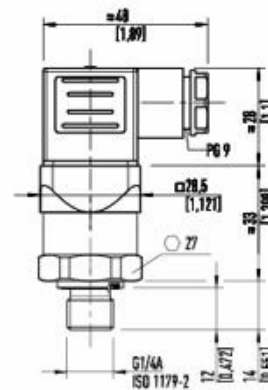
OPERATING ENVIRONMENT CONDITIONS

Permissible medium temperature	0...+80 °C
Permissible ambient temperature	0 ... 80 °C
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