# Pressure transmitter Model A–10
## Type A–10
## Item no.: 46909125

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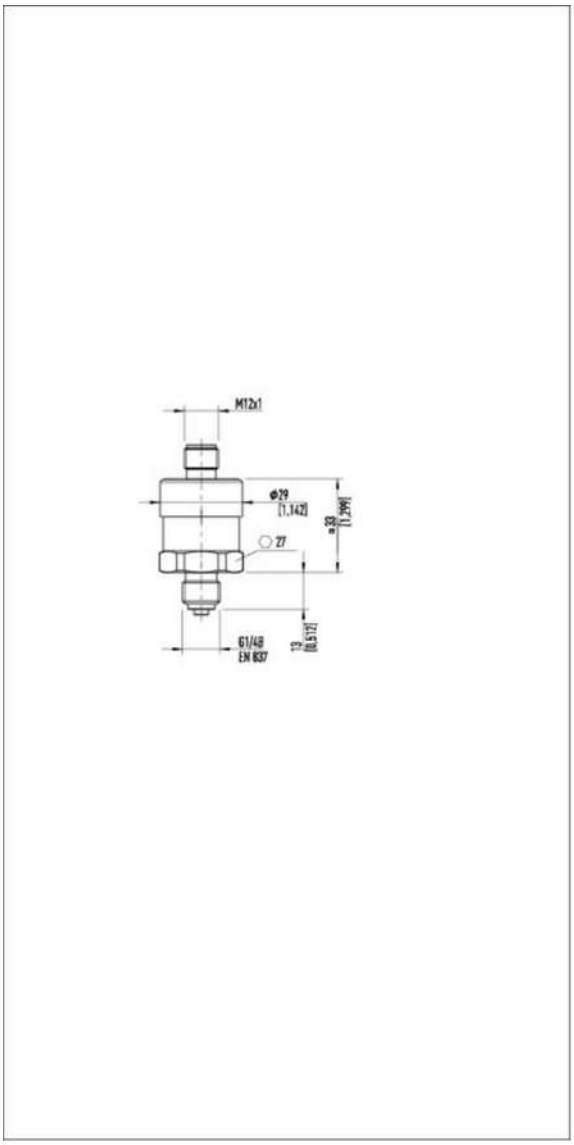
|---|---|
| **MEASURING RANGE** | |
| Measuring range | -1...+3 bar gauge |
| Overpressure limit | 2 times |
| Vacuum tightness | yes |
| **OUTPUT SIGNAL** | |
| Output signal | 0 ... 10 V, 3-wire |
| Permissible load in Ω | > maximum output voltage / 1 mA |
| Settling time | < 1 ms |
| **POWER SUPPLY** | |
| Power supply | 14...30 V DC |
| Total current consumption | max. 8 mA |
| **ACCURACY INFORMATION** | |
| Non-linearity | 0.5% BFSL |
| Accuracy at room temperature | ≤ ±1.0 % of span |
| Measuring deviation of the zero signal | ≤ ±0.5 % of span |
| Long-term drift | ≤ ±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 |
| 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 | G 1/4 B |
| Sealing | copper |
| **ELECTRICAL CONNECTION** | |
| Electrical connection | circular connector M12x1, 4-pin |
| Ingress Protection | IP67 |
| pin assignment | UB=1, 0V=3, S+=4 |
| **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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