

PUM02

Pressure Transmitter for General Industrial Applications

- Accuracy class 0.5
- Stainless steel pressure port
- Sturdy, heavy-duty design
- High precision and linearity
- Compatible with a wide range of media
- Adjustable zero-point and measuring range



Description:

Model series PUM02 pressure sensors are high-quality, accurate and reliable transmitters. Depending on the pressure range, the PUM02 measures the applied pressure by means of a piezo-resistive cell or a thin-film cell. The combination of these two technologies covers all DIN measuring ranges from -1/0 bar to 0/2500 bar with consistent accuracy. The pressure-dependent resistance signal transmitted by these cells is converted by an amplifier to a current signal or voltage signal. The transmitter can be configured to output either a current signal of 4 to 20 mA in two-wire circuitry or a voltage signal of 0 to 10 V in three-wire circuitry. Other output signals are available upon request. PUM02 pressure sensors with flush-mounted stainless-steel diaphragms are especially suited for use with sticky or viscous fluids since such media cannot enter the device and damage or clog it. For difficult measuring tasks, such as level measurements with hydrostatic columns, two potentiometers allow the zero-point and the measuring range to be set as required.

Fields of Application:

PUM02 pressure transmitters are used to measure the pressure of liquid or gaseous media. All transmitter parts coming in contact with the pressurized media are made of stainless steel. This construction allows it to be used with a wide variety of media. For media that are particularly difficult to handle (caustic, corrosive, viscous, high-temperature), we recommend fitting the PUM02 with a diaphragm seal (commercially available models available upon request), so that flange connections, milk-pipe threaded fittings or Tri-Clamp connections can be used. The compact design, accuracy and material combination of PUM02 devices allow them to be used in numerous applications such as in the chemical or food industries.

