

# PRESSURE SENSORS

## 4-20 mA pressure transmitters



[Accessories](#) [Fittings](#)

### Differential pressure transmitter type 692

The differential pressure transmitter of type series 692 with proven, unique ceramic technology, features adjusted and amplified sensor signals which are available as standardised voltage or current outputs. Various application-specific pressure and electrical connections and housing materials suitable for different media can be provided.

### Advantages

- o very low temperature sensitivity
- o high resistance to extreme temperatures
- o no mechanical creep age
- o modular system and choice of materials

### Technical overview

- o materials in contact with the medium:
- o ceramic/stainless steel 1.4305/PTFE
- o tolerable overload at one side: 0,5 bar
- o maximum system pressure: 3 bar
- o sealing materials: Viton® FPM
- o output: 4 – 20 mA
- o power supply: 11 – 33 VDC (2-wire)
- o female connector with seal (DIN 175301-803-A)
- o protection class: IP65
- o pressure connection: adapter 1/8" female
- o included build-in restriction orifice

### Accessories

- o mounting bracket incl. screws
- o pipe adapter set contains:
  - 2 meter 4/2 brass pipe
  - 2 adapters 1/8" – 1/4"
  - 2 adapter 1/4" – 1/2"
  - 4 compression fitting 1/8" x 4/2 mm

### Pressure transmitter Midas

Type 401001 has proven its worth thousands of times over as the basis of the sensor technology in the JUMO MIDAS series of pressure transmitters. An almost automatic production sequence (digital compensation and calibration of the sensor module) reduces production time and manufacturing costs.

The high quality of every pressure transmitter is ensured by a 100% final inspection within a fully automated measuring and calibration system. The ceramic measuring cell made of aluminium oxide not only performs well in terms of long-term stability that is achieved through the selection of sensor material and a special adjustment process, it also features high overload resistance.



In addition to various output signals and different process connections a selection of different process connection materials, sealing materials and electrical connections suitable for a specific application, are available.

The pressure transmitter with ceramic sensor is used to record the relative pressure (1.6 bar to 100 bar) in liquid and gaseous media. The pressure transmitter measures the current pressure and converts it into an electrical standard signal with a deviation from the characteristic line of  $\leq 0.5\%$  of the end value.

## Technical overview

- o power supply: 10 – 30 VDC (2-wire)
- o output: 4 -20 mA
- o medium temperature: -20 up to +125 °C
- o pressure connection: 1/4"
- o materials: stainless steel 304
- o protection class: IP67
- o option: water hammer arrestor